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UNITED STATES
DEPARTMENT OF AGRICULTURE

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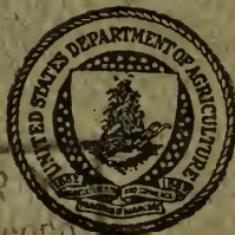


List of
Available Publications
of the

United States
Department of Agriculture



Arranged by Subjects



LIBRARY
CURRENT SERIAL RECORD

★ OCT 23 1945 ★

U. S. DEPARTMENT OF AGRICULTURE

Compiled by

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Division of Publications
Office of Information

INTRODUCTION

This list gives the titles of available publications, charts, posters, and other visual aids issued by the Department of Agriculture. This material is intended primarily for the use of farmers, scientists, and others who work in the field of agriculture and related subjects.

If you do not find a publication listed that answers your needs and your problem deals with agriculture, feel free to write and give full details. As a result of its continuous research, not all of which has resulted in a publication, the Department may be in a position to aid you.

The Department particularly wishes to give all possible help to farmers who are participating in production for wartime needs, to veterans and others who are contemplating farming, and to those who have just established themselves on the land. Action on these requests will be hastened if the writer will state his problem in detail and outline his plans. Before writing the Department or selecting a large number of publications, it is suggested that individuals in these groups consult their county agricultural agent. He is qualified to give first-hand advice on local agricultural conditions and can aid in selecting publications. His office is usually located at the county seat.

DISTRIBUTION OF PUBLICATIONS

Publications are free in limited amounts unless priced. Paper shortage and small free editions make it necessary to watch distribution closely. Please choose sparingly and use the following list as a guide:

EDUCATIONAL INSTITUTIONS:

Libraries and instructors may obtain copies as needed up to 5 each. Justification required if more than 50 publications are ordered. None in quantities for individual textbook use.

See page 2, How Publications May Be Obtained in Quantities.

EXTENSION WORKERS:

Publications can be had in the amounts requested if letter has cleared through your State publication distribution officer. His office is usually located at the State college. In many cases the distribution officer is your State extension director or State extension editor. Clearance not required if 50 or fewer publications are ordered. Send letters not requiring clearance to: Extension Service, United States Department of Agriculture, Washington 25, D. C.

FOREIGN GOVERNMENTS AND INSTITUTIONS:

Exchange of publications may be arranged by addressing the Library, United States Department of Agriculture, Washington 25, D. C.

GOVERNMENT OFFICIALS AND COOPERATORS (Federal, State, County, and Local):

Library and office copies as needed. Consideration will also be given to quantity requests if effective distribution can be assured.

LIBRARIES:

If a public or State library, one copy each of any publication needed.

NONPROFIT ORGANIZATIONS:

Library and office copies as needed up to 5 each. Consideration will also be given to quantity requests if effective distribution can be assured.

PRESS AND RADIO:

Library and review copies as needed up to 5 each. Justification required if more than 50 are ordered. None furnished for redistribution. Before reviewing a publication please obtain permission. If this is not done your patrons may be disappointed as the supply on hand might not be sufficient to meet the demand.

PUBLIC:

One each of not more than 10 publications. *See below, How Publications May Be Obtained in Quantities.*

STUDENTS:

None direct. For reasons of economy students are requested to apply through teachers or school librarians, and to use copies on a circulating basis. *See Educational Institutions.*

TEACHERS:

One each. Justification required if more than 50 different publications are ordered at one time. None in quantities for individual textbook use.

HOW PUBLICATIONS MAY BE OBTAINED IN QUANTITIES

The law governing the printing and distribution of publications provides that the Superintendent of Documents, Government Printing Office, shall have printed for sale only, any publication of which there is a demand that cannot be filled free by the Department issuing it. Therefore, if more publications are needed than are allowed free they may be purchased. Quotations on publications not priced in this list can be obtained by writing to the Superintendent of Documents, Government Printing Office, Washington 25, D. C. The Superintendent of Documents is not connected with the Department of Agriculture. Therefore, to avoid delay be sure to send quotation requests to the address given above.

Members of Congress receive an allotment of Farmers' Bulletins for such distribution as they wish to make. Hence it is often possible to obtain more copies than the Department can supply by applying to a United States Senator or Representative. The same is true of Leaflets and the Agricultural War Information Series.

HOW TO ORDER FREE PUBLICATIONS

1. Send orders for free publications to the Division of Publications, Office of Information, United States Department of Agriculture, Washington 25, D. C., unless otherwise instructed.

2. Write your name and address plainly. Be sure that you have given the correct street address or rural route number.

3. Do not ask for more publications than you are entitled to.

4. Send no postage for mailing publications. *Exception:* If publications are desired on short notice, it is suggested

that postage be enclosed for special delivery or air mail. Inasmuch as an average bulletin weighs 3 ounces, 13 cents for special delivery and 24 cents for air mail for each bulletin should be forwarded with your request.

5. Do not check and return this list as an order. To do so greatly delays receipt of publications.

6. If you find it necessary to write again because of non-receipt of publications, please state specifically which ones were ordered. The Department receives so many thousands of letters each day requesting publications that it is impossible to file and record each one.

7. If you are ordering publications some of which are free and some of which are for sale, make separate orders and mail them as directed.

8. Give series, number, and title of bulletins and list each series numerically. That is, group all the "C" numbers, "F" numbers, "L" numbers, etc., in numerical order as indicated below. If you do this it will hasten action on your request.

SAMPLE ORDER—

- 32 C. The regional lymph food glands of animals.
- 131 C. Utilization of black locust.
- 554 C. Honey and pollen plants of the United States.
- 1117 F. Forestry and farm income.
- 1736 F. Anthrax.
- 1888 F. Poultry cooking.
- 1942 F. Good pastures.
- 56 L. Preventing cracks in new wood floors.
- 175 L. Eradication of the cultivated black currant in white pine region.
- 204 L. Fats and oils for cooking and table use.

HOW TO ORDER PUBLICATIONS THAT ARE FOR SALE ONLY

1. Send order and remittance for publications listed as for sale only, to the Superintendent of Documents, Government Printing Office, Washington 25, D. C. Payment must accompany request as publications are not sent C. O. D.

2. A discount of 25 percent is allowed to authorized book dealers on all orders and to other purchasers for 100 or more publications on condition that they shall not be overprinted with any advertising matter. There is no restriction on the number of publications that one may buy. However, if they are bought for resale, they must be sold at the prices quoted by the Government Printing Office.

3. Payment should be made by check or money order made payable to the Superintendent of Documents or by Government Printing Office coupons that are sold by the Superintendent of Documents in sets of 20 for \$1.00 and good until used. Currency is sent at the sender's risk. Postage stamps or defaced or smooth coins are not acceptable.

4. Remittances from residents of foreign countries should be made by international money order, or draft on an American bank, payable to the Superintendent of Documents, Government Printing Office, Washington 25, D. C. The amount should include postage cost for mailing, which is about one-third of the sales price.

5. Give series, number, and title of the bulletins ordered and list each series numerically. *See Sample Order* above.

6. Deposit accounts may be opened with the Superintendent of Documents. In order to open such an account send in a check in the amount of \$5.00, requesting a deposit account,

together with the correct name and address. Sufficient deposit to take care of publication orders must be on hand at all times.

DESCRIPTIONS OF SERIES

AGRICULTURAL INFORMATION SERIES

A new series which eventually will replace the Agricultural War Information series. Follows the same popular presentation of subject matter, with formats running to pamphlets and small booklets.

AGRICULTURAL STATISTICS

This publication is issued once a year. It contains detailed analytical statistics on agriculture. Prior to 1936, Agricultural Statistics was incorporated in the Department Yearbook of Agriculture.

AGRICULTURAL WAR INFORMATION SERIES

This war series is presented in popular style. Each pamphlet deals with some phase of "win-the-war" information such as food production, conservation, and use; the care of household and farm equipment; and helpful information on health and nutrition.

ANNUAL REPORTS

Annual Reports give the progress of the work of the bureau or office concerned for the years indicated.

BAE-EXTENSION FLIERS

This series consists of picture fliers designed to stimulate interest in certain phases of agricultural production in relation to the war.

BIBLIOGRAPHICAL BULLETINS

This series includes all printed bibliographies and summaries of literature compiled in the Department.

CIRCULARS

Circulars are semitechnical publications that describe the methods, equipment, and observations necessary for the control of diseases, insects, and parasites of plants and animals. The culture and marketing of crops, including any new varieties that are developed, are also described in this series. Circulars supersede the old series known as Department Circulars.

COMMODITY STATISTICS SERIES

The publications in this series contain rather detailed market statistics for specific commodities.

CONSERVATION FOLDERS

This series of folders describing practices that help conserve soil and moisture resources was prepared for farmers and ranchers of the northern Great Plains.

DEPARTMENT BULLETINS

See Technical Bulletins.

DEPARTMENT CIRCULARS

See Circulars.

DISCUSSION SERIES

This is a series of subject-matter pamphlets intended to encourage widespread discussion of the farm program and to set forth the issues which farmers themselves will finally have to settle.

EROSION SURVEY REPORTS

See Physical Land Surveys.

FARM CREDIT ADMINISTRATION BULLETINS

These bulletins give comprehensive results of the research studies of the Farm Credit Administration. They relate to problems of management, organization, policies, merchandising, sales, costs, competition, and membership arising in connection with the cooperative marketing of agricultural products and the cooperative purchasing of farm supplies and services.

FARM CREDIT ADMINISTRATION CIRCULARS "A"

The "A" series contains a miscellaneous assortment of speeches and other informative material.

FARM CREDIT ADMINISTRATION CIRCULARS "C"

This series presents in popular style the results of research studies by the Farm Credit Administration. It contains numerous illustrations. It is less involved than the detailed Farm Credit Administration Bulletin series and is designed for a wider readership.

FARM CREDIT ADMINISTRATION CIRCULARS "E"

This series is commonly referred to as "You and Your Co-op" circulars. They were prepared especially for the use of teachers and students of vocational agriculture studying farmers' cooperatives, for members of cooperatives, and extension workers active in promoting cooperative endeavors.

FARM CREDIT ADMINISTRATION LEAFLETS

This series contains eight-page summaries of Farm Credit Administration research bulletins. They are easy to read and direct to the point.

FARM CREDIT ADMINISTRATION POPULAR CIRCULARS

This series describes in an easily understood manner the functions and services of the various units under the supervision of the Farm Credit Administration.

THE FARMER AND THE WAR SERIES

This series of pamphlets deals essentially with the economic status of farmers in wartime.

FARMERS' BULLETINS

Results of scientific and technical research are presented in this series in language easily understood and used by the average farmer and housewife.

FOREIGN AGRICULTURE BULLETINS

These are detailed reports covering the results of field investigations or of special research in various phases of the agriculture of foreign countries.

**GENERAL INFORMATION SERIES (AGRICULTURAL
ADJUSTMENT AGENCY)**

This series of bulletins is published for the general public as well as farmers and is of a nontechnical nature. The subject matter is usually on the philosophy, background, and broader phases of the AAA program. Some of the bulletins are adapted from speeches of key people in the Agricultural Adjustment Agency and the other branches of the Department.

HYDROLOGIC BULLETINS

Hydrologic Bulletins present basic hydrologic data collected at various watersheds throughout the country at which problems relating to soil and water conservation are studied. These studies are intended to determine the effect of agricultural land use practices on soil and water conservation and on floods. This information is to be consulted for the economic design of erosion control, flood control, and hydraulic structures used in the soil and water conservation program, and it is expected to provide the basis for accurate estimates on the magnitude of the runoff that must be handled by the engineering and hydraulic structures used in water facilities and in soil and water conservation operations. (Suspended during the war.)

LEAFLETS

Leaflets carry popular material of the same general character as the Farmers' Bulletin series except that they are simpler and briefer, limited to eight pages.

MARKETING INFORMATION SERIES

The Marketing Information Series includes the publications relating to the marketing agreement activities. *See* list, page 220.

MISCELLANEOUS CIRCULARS

See Miscellaneous Publications below.

MISCELLANEOUS PUBLICATIONS

This series includes both technical and nontechnical publications that do not conform to the size specified for the other series, or that contain subject matter that is of temporary interest to the public. Miscellaneous Publications supersedes the old series known as Miscellaneous Circulars.

NUTRITION AND FOOD CONSERVATION SERIES

These publications are designed to stimulate interest in the national nutrition and food conservation programs. They suggest ways to obtain the best value of food through meal planning, buying, and storing, and outline means of curtailing food waste. They include meal-planning guides for use in the school-lunch and industrial in-plant feeding programs.

PHYSICAL LAND SURVEYS

Physical land survey reports contain recommendations for the use and management of land according to its capability and for the most effective conservation farming methods suited to the different land conditions throughout the country. The survey reports and the accompanying maps cover soils, slopes, erosion, and present land use. By grouping these factors with other related information, the land is classified according to its capability for agricultural use. Farmers and agricultural workers can determine the use to which land is best suited and the management and conservation practices necessary to maintain and improve its productivity. *See* list, page 204. Former reports in this series were called "Erosion Surveys."

PUERTO RICO EXPERIMENT STATION PUBLICATIONS

In general the Puerto Rico Experiment Station Bulletins contain technical material and the Circulars more popular information on the subjects treated.

SEPARATES FROM AGRICULTURAL STATISTICS

These pamphlets are reprinted from the annual volume of Agricultural Statistics. They contain information on specific subjects that is identical to that printed in the complete volume. *See Agricultural Statistics, page 4.*

SOIL SURVEYS

Soil Surveys consist of two parts: (1) A brief description of the area surveyed—its climate, agricultural practices, and a detailed description of its soils; (2) A colored map showing the extent and distribution of the different soils in the area. *See complete list of available soil surveys, pages 222-234.*

STATISTICAL BULLETINS

This series consists mainly of tables giving statistics on one or more closely related agricultural commodities. They contain, insofar as possible, statistics of foreign and domestic production and marketing, including movement from the farm, receipts at principal markets, reshipments, farm and market prices, and exports and imports. They are of particular interest to persons actually engaged in marketing, or any business affected by agricultural production and marketing.

TECHNICAL BULLETINS

Technical Bulletins contain results of research work carried on by the Department of Agriculture and its co-operators. They are written in technical language and are intended chiefly for distribution to scientists and specialists in the fields studied. Usually a comparatively small edition is printed which limits the number of copies that are available for free distribution. This series supersedes the old series known as Department Bulletins.

YEARBOOKS

For several years prior to 1936 the Yearbook was made up of detailed agricultural statistics and of brief summaries of new developments in agriculture. From 1936 to 1942, two separate volumes were issued each year, one containing detailed analytical statistics on agriculture (*see Agricultural Statistics, page 4*), and the other containing articles on current agricultural problems and research findings. Each edition is devoted to a specific subject. *See complete list of available yearbooks, page 73.*

The 1936 and 1937 Yearbooks discuss new forms developed through plant and animal breeding. The 1938 Yearbook, Soils and Men, discusses the soil problem which has been examined from many angles to discover man's debt and duty to the soil. The 1939 Yearbook, Food and Life, is devoted to human and animal nutrition. The 1940 Yearbook, Farmers in a Changing World, has to do with the social sciences as they relate to agriculture and the farm—economics, history, finance, sociology, social psychology, anthropology, education, and political science. The 1941 Yearbook, Climate and Man, carries on the work of the preceding volumes, each of which has covered some major aspect of science fundamental to the use of our agricultural resources. Although the Weather Bureau was transferred from the Department of Agriculture to the Department of Commerce in a governmental reorganization that took place after this book was under way, work on it was continued because no series of volumes on science in agriculture could be complete without including one on weather and climate. The 1942 Yearbook, Keeping Livestock Healthy, is devoted to diseases and parasitic diseases of farm animals.

No yearbooks were issued in 1943 or 1944, and it is not expected that they will be issued again until after the war.

Yearbook Separates

Yearbook separates are articles reprinted from those publications. They contain information on specific subjects.

SERVICE AND REGULATORY ANNOUNCEMENTS BUREAU OF ANIMAL INDUSTRY

Content.—The Bureau of Animal Industry issues one announcement monthly, supplemented by a yearly index, for the dissemination of information, instructions, and rulings concerning the work of the Bureau. This announcement also contains statistical information on the progress of animal-disease-control campaigns, and the administration of livestock laws.

Free distribution.—Limited to Department of Agriculture officials, establishments where inspection work is conducted, certain public officers, and journals especially concerned. Apply to the Bureau of Animal Industry, Agricultural Research Administration, United States Department of Agriculture, Washington 25, D. C.

Sales distribution.—Single copies, 5c each; domestic subscription, 25c a year; foreign subscription, 60c a year. Send request and remittance to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

BUREAU OF ENTOMOLOGY AND PLANT QUARANTINE

Content.—The Bureau of Entomology and Plant Quarantine issues quarterly, as Service and Regulatory Announcements, quarantines, regulations, and related matter issued during the period covered. The quarantines and regulations are promulgated by the Secretary of Agriculture under the Plant Quarantine Act of 1912 to protect our agriculture from the introduction and dissemination of injurious insects and plant diseases.

Distribution.—Free. A mailing list to receive copies of this series as issued is maintained for the use of Department of Agriculture workers and cooperators, agricultural experiment stations, State agricultural colleges, libraries, and the press. Single copies are also available. For list of available quarantines and regulations, see page 221. Apply to the Bureau of Entomology and Plant Quarantine, Agricultural Research Administration, United States Department of Agriculture, Washington 25, D. C.

OFFICE OF MARKETING SERVICES

Content.—Publications in this series of announcements contain specifications of standards for cotton, livestock, meats, wool, poultry, eggs, dairy products, canned fruits and vegetables, apples, potatoes, and tobacco. They also include rules and regulations of the Secretary of Agriculture governing the inspection and certification of farm products, and rules and regulations for the enforcement of the following: Cotton Futures Act, Cotton Standards Act, Export Apple and Pear Act, Federal Seed Act, Grain Standards Act, Insecticide Act, Naval Stores Act, Packers and Stockyards Act, Perishable Agricultural Commodities Act, Produce Agency Act, Standard Container Act, Tobacco Inspection Act, and the Warehouse Act.

Distribution.—Free. A mailing list to receive copies of this series as issued is maintained for the use of persons interested in regulatory work. Single copies are also avail-

able. See list, pages 217-220. Apply to the Office of Marketing Services, War Food Administration, Washington 25, D. C.

PERIODICAL PUBLICATIONS AND MAILING LISTS

The following descriptions of the printed periodicals issued by the Department of Agriculture and the mailing lists maintained give a brief outline of the kind of information each contains. With a few exceptions the free distribution of periodicals is very limited. Anyone who wishes to have his name added to a free list should furnish a description of the nature of his work with his application. Persons not entitled to receive free subscriptions may buy them according to the instructions given for each periodical.

THE AGRICULTURAL SITUATION

Content.—This publication contains very brief summaries and a limited number of tables showing the price and production situations for the more important farm products. Brief articles dealing with the current economic problems of agriculture are also included. This publication is designed primarily for those interested in agriculture from a general nontechnical standpoint. Particular stress is now laid on the war production program. It is usually 24 or 32 pages long and is issued the first week of each month.

Free distribution is limited to Department of Agriculture workers and cooperators, agricultural experiment stations, State agricultural colleges, libraries, and the press. Apply to the Bureau of Agricultural Economics, United States Department of Agriculture, Washington 25, D. C.

Sales distribution.—Single copies, 5c each; domestic subscription, 50c a year; foreign subscription, 70c a year. Send request and remittance to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

AGRICULTURE DECISIONS

Content.—This monthly official publication makes available to the public decisions issued under regulatory laws administered in the Department of Agriculture. The decisions may be described generally as decisions which are made in proceedings of a quasi-judicial (as contrasted with quasi-legislative) character, and which, under the applicable statutes, can be made only after notice and hearing or opportunity for hearing have been given. Current court decisions involving the regulatory laws administered by the Department are included in this publication. An Index-Digest of both the agriculture decisions and court decisions will be found at the end of each issue.

Free distribution is limited to individuals and collaborators engaged in regulatory work. Apply to the Office of Marketing Services, War Food Administration, Washington 25, D. C.

Sales distribution.—Each issue varies in price; subscription, \$2.00 a year. Send request and remittance to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

AGRICULTURE IN THE AMERICAS

Content.—This monthly publication of 16 pages is designed to present in popular style agricultural developments in the Western Hemisphere, particularly as they affect the economic relations of the American republics. The subject matter covers various phases of inter-American trade, as well as agricultural items of importance in the program for hemisphere defense.

Free distribution is limited. See introductory paragraph under Periodical Publications and Mailing Lists, page 9. Apply to the Office of Foreign Agricultural Relations, U. S. Department of Agriculture, Washington 25, D. C.

Sales distribution.—Single copies, 10c each; domestic subscription, 75c a year; foreign subscription, \$1.20 a year. Send request and remittance to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

BIBLIOGRAPHY OF AGRICULTURE

Content.—This monthly publication lists all of the literature on agriculture and closely related subjects received by the Department Library, and covers more than twelve thousand periodical and serial publications as well as thousands of books, pamphlets, and governmental documents in this field.

Free distribution is limited to Federal, State and other public agencies. Apply to the Library, U. S. Department of Agriculture, Washington 25, D. C.

Sales distribution.—Single copies, 35c each; domestic subscription, \$3.75 a year; foreign subscription, 40c a copy, \$4.50 a year. Send request and remittance to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

CONSUMERS' GUIDE

Content.—Consumers' Guide is an illustrated monthly publication. It is designed to aid consumers in understanding the over-all food management programs, such as changes in prices, supplies and costs of food and farm commodities, rationing, food distribution orders and allocations, and to help them in making economical purchases. It acquaints consumers with efforts being made by individuals and groups of consumers to obtain the greatest possible value for their expenditures. It interprets to consumers the purposes and operations of the war food programs.

Free distribution is limited. Preference will be given to leaders and members of consumers' organizations and others actively concerned with consumers' problems, and to Federal, State, and local Government staffs, libraries, radio commentators, the press, and those having a special interest in consumer welfare. Apply to the War Food Administration, Washington 25, D. C.

Sales distribution.—Single copies, 5c each; domestic subscription, 50c a year; foreign subscription, 70c a year. Send request and remittance to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

CROPS AND MARKETS

Content.—Crops and Markets is printed quarterly. It contains market statistics on livestock, meats, wool, dairy and poultry products, grain, feed and seed, and cotton. It also carries prices received by farmers, intentions-to-plant-and-breed reports, and special articles of an economic and statistical nature.

Free distribution is limited to Department of Agriculture workers and cooperators, agricultural experiment stations, staff members of agricultural colleges, agricultural libraries, and the press. Apply to the Bureau of Agricultural Economics, United State Department of Agriculture, Washington 25, D. C.

Sales distribution.—Single copies, 10c each; domestic subscription, 30c a year; foreign subscription, 45c a year. Send

request and remittance to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

EXPERIMENT STATION RECORD

Content.—Experiment Station Record is a technical review of the scientific literature on agriculture and home economics. It gives special attention to the contributions of the State agricultural experiment stations and the United States Department of Agriculture and their relation to the war. It is especially designed for the use of research workers, teachers, extension specialists, and others who wish to keep current on new agricultural and home economics information, and is a source of reference for ascertaining the progress of research in these fields since it began publication in 1889.

Two volumes, each consisting of six monthly numbers and an index of names and subjects, are issued each year. Each volume normally contains about 3,800 abstracts of current research on agriculture and home economics. Brief news notes on the progress of agricultural education and research are also included. In addition to the indexes included in each volume, combined subject indexes are usually issued at 5-year intervals.

Free distribution is restricted mainly to workers of the Department of Agriculture, agricultural colleges, agricultural experiment stations, and similar institutions, and to libraries and exchanges. Apply to the Office of Experiment Stations, United States Department of Agriculture, Washington 25, D. C.

Sales distribution.—Monthly numbers, 20c each; domestic subscription, \$1.25 per volume, \$2.50 a year; foreign subscription, \$2.00 per volume, \$4.00 a year. The following combined subject indexes are also available:

Volumes 1-12, 50c	Volumes 51-60, 60c
26-40, 75c	61-70, 75c
41-50, \$1.25	

Send request and remittance to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

EXTENSION SERVICE REVIEW

Content.—The Extension Service Review is a monthly magazine issued by the Extension Service in the interest of workers and cooperators of the Department of Agriculture who are engaged in extension activities. It contains official statements and other information necessary to the performance of their duties.

Free distribution is limited to extension workers. Apply to the Extension Service, United States Department of Agriculture, Washington 25, D. C.

Sales distribution.—Single copies, 10c each; domestic subscriptions, 75c a year; foreign subscription, \$1.15 a year. Send request and remittance to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

FARM CREDIT QUARTERLY

Content.—The Farm Credit Quarterly contains statements of the condition of, and comments on, the Federal intermediate credit banks, Federal land banks, Federal Farm Mortgage Corporation, banks for cooperatives, and the production credit system.

Distribution is free to individuals and institutions interested in the contents of this publication. Apply to the

Farm Credit Administration, United States Department of Agriculture, 212 West 14th Street, Kansas City 8, Missouri.

FOREIGN AGRICULTURE

Content.—Foreign Agriculture is a 16-page monthly periodical. It contains articles on foreign government policies relating to agriculture, foreign agricultural production, and international trade in agricultural products. These articles in general are the result of special research or field investigations conducted by the office staff or commodity specialists of the Office of Foreign Agricultural Relations. The publication is designed primarily for those who are interested in following changes in foreign policies as they affect agriculture.

Free distribution is limited. See introductory paragraph concerning Periodical Publications and Mailing Lists, page 9. Apply to the Office of Foreign Agricultural Relations, U. S. Department of Agriculture, Washington 25, D. C.

Sales distribution.—Single copies, 10c each; domestic subscription, \$1.00 a year; foreign subscription, \$1.60 a year. Send request and remittance to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

JOURNAL OF AGRICULTURAL RESEARCH

Content.—The Journal of Agricultural Research is a semi-monthly publication containing articles on technical agricultural research carried on by the United States Department of Agriculture or the State agricultural experiment stations, or both cooperatively. It is therefore of primary interest only to agricultural scientists and advanced students of agriculture.

Free distribution is limited to certain libraries and to institutions or departments doing research work. Apply to the Office of Information, United States Department of Agriculture, Washington 25, D. C.

Sales distribution.—Domestic subscription is \$2.25 a year, or 10c a single number. Foreign subscription is \$3.75 a year, or 20c a single number. Send request and remittance to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

Separates from the Journal of Agricultural Research

Content.—Each article in the Journal is reprinted as a "separate."

Free distribution is limited to the staff and cooperators of the originating bureau or station. Notices of issuance of these separates appear in the Monthly List of Publications and Motion Pictures, see page 13.

Sales distribution.—Single copies, 5c each, domestic; 8c a copy, foreign. Send request and remittance to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

LAND POLICY REVIEW

Content.—The Land Policy Review is a quarterly publication devoted to economic and social phases of land and agriculture, especially war and post-war agricultural matters. It is a journal of opinion, presenting nontechnical discussions, reports, and criticisms by qualified persons within and outside the Department of Agriculture.

Free distribution is limited to workers in the Department and to members of other Federal and State agencies interested in these fields. Apply to the Bureau of Agricultural Economics, United States Department of Agriculture, Washington 25, D. C.

Sales distribution.—Single copies, 10c each; domestic subscription, 30c a year; foreign subscription, 45c a year. Send request and remittance to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

MONTHLY LIST OF PUBLICATIONS AND MOTION PICTURES

Content.—This list is issued approximately on the twentieth day of each month. It gives the title and issuing bureau or office of each publication issued by the Department during the preceding month. It also lists and describes any motion picture released.

Distribution is free. This list will be sent free to anyone who requests it. Apply to the Office of Information, United States Department of Agriculture, Washington 25, D. C.

NEWS FOR FARMER COOPERATIVES

Content.—News for Farmer Cooperatives contains interpretative and informative articles by research workers and other leaders in agricultural cooperation. It relates to such problems as management, organization, policies, merchandising, sales, costs, competition, and membership of farmers' cooperatives. It is issued monthly and is illustrated.

Free distribution is limited to cooperative associations, public institutions, and persons primarily concerned with furthering the cooperative movement among farmers. Apply to the Farm Credit Administration, United States Department of Agriculture, Washington 25, D. C.

Sales distribution.—Single copies, 10c each; domestic subscription, \$1.00 a year; foreign subscription, \$1.40 a year. Send request and remittance to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

NOTICES OF JUDGMENT

Content.—Notices of judgment give the essential facts of seizure and prosecution of cases brought under the Insecticide Act of 1910. Notices are not issued at specific intervals but are published in groups after the termination of the cases in court.

Distribution is free. Persons wishing to receive notices of judgment in regard to insecticides and fungicides may have their names placed on the mailing list by applying to the Office of Marketing Services, War Food Administration, Washington 25, D. C.

RURAL ELECTRIFICATION NEWS

Content.—The Rural Electrification News is a summary of rural electrification activities, both public and private, throughout the United States. It contains feature articles, pictures, technical discussions, news items, and seasonal articles on the use of electrical farm equipment. It is issued monthly.

Free distribution is limited to workers in the Department and to members of other Federal and State agencies active in the field of rural electrification as well as to libraries, educational institutions, and the press. Apply to the Rural Electrification Administration, United States Department of Agriculture, St. Louis 2, Missouri.

Sales distribution.—Single copies, 10c each; domestic subscription, 75c a year; foreign subscription, \$1.50 a year. Send request and remittance to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

SOIL CONSERVATION

Content.—This periodical contains technical articles and current information on soil conservation. It is a monthly publication designed particularly for the use of workers

and cooperators of the Department engaged in soil conservation activities.

Free distribution is limited to workers and official cooperators of the Department engaged in soil conservation activities, to libraries, agricultural colleges, experiment stations, and similar institutions, exchanges, and the press. Apply to the Soil Conservation Service, United States Department of Agriculture, Washington 25, D. C.

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AGRICULTURAL EXPERIMENT STATIONS IN THE UNITED STATES

The agricultural experiment stations study problems relating to the agriculture of the States, and publish the results of such investigations. These publications, which usually constitute the most authoritative information available on the subjects treated, can be obtained from the Director of the station, usually free of charge. This list gives the post-office addresses of the agricultural experiment stations in the United States.

State	City
Alabama.....	Auburn
Alaska.....	College
Arizona.....	Tucson
Arkansas.....	Fayetteville
California.....	Berkeley
Colorado.....	Fort Collins
Connecticut:	
(State station).....	New Haven
(Storrs station).....	Storrs
Delaware.....	Newark
Florida.....	Gainesville
Georgia:	
(State station).....	Experiment
(Coastal plain station).....	Tifton
Hawaii.....	Honolulu
Idaho.....	Moscow
Illinois.....	Urbana
Indiana.....	LaFayette
Iowa.....	Ames
Kansas.....	Manhattan
Kentucky.....	Lexington
Louisiana (University station).....	Baton Rouge
Maine.....	Orono
Maryland.....	College Park
Massachusetts.....	Amherst
Michigan.....	East Lansing
Minnesota.....	University Farm, St. Paul
Mississippi.....	State College
Missouri:	
(College station).....	Columbia
(Fruit station).....	Mountain Grove
(Poultry station).....	Mountain Grove
Montana.....	Bozeman
Nebraska.....	Lincoln
Nevada.....	Reno
New Hampshire.....	Durham
New Jersey.....	New Brunswick
New Mexico.....	State College
New York:	
(State station).....	Geneva
(Cornell station).....	Ithaca
North Carolina (State College station).....	Raleigh

Agricultural Experiment Stations—Continued.

State	City
North Dakota (State College station).....	Fargo
Ohio.....	Wooster
Oklahoma.....	Stillwater
Oregon.....	Corvallis
Pennsylvania.....	State College
Puerto Rico:	
(Federal station).....	Mayaguez
(College station).....	Rio Piedras
Rhode Island.....	Kingston
South Carolina.....	Clemson
South Dakota.....	Brookings
Tennessee.....	Knoxville
Texas.....	College Station
Utah.....	Logan
Vermont.....	Burlington
Virginia:	
(College station).....	Blacksburg
(Truck station).....	Norfolk
Washington:	
(College station).....	Pullman
(Western Washington).....	Puyallup
West Virginia.....	Morgantown
Wisconsin.....	Madison
Wyoming.....	Laramie

LIBRARIES

The following libraries automatically receive copies of all Department of Agriculture publications as they are issued. Anyone may consult them during library business hours. In addition to the libraries listed, most large libraries throughout the country have Department of Agriculture publications on file.

State	City	Name of library
Alabama.....	Birmingham.....	Public Library.
	Montgomery.....	Department of Archives and History Library, State Capitol.
	University.....	University of Alabama Library.
Arizona.....	Phoenix.....	Department of Library and Archives.
	Thatcher.....	Gila Junior College Library.
	Tucson.....	University of Arizona Library.
Arkansas.....	Fayetteville.....	University of Arkansas Library.
California.....	Berkeley.....	University of California Library.
	Claremont.....	Pomona College Library.
	Eureka.....	Eureka Free Library.
	Fresno.....	Fresno County Free Library.
	Los Angeles.....	Los Angeles Public Library.
	Sacramento.....	California State Library.
	San Francisco.....	San Francisco Public Library.
	Stanford University.....	Stanford University Library.
Colorado.....	Boulder.....	University of Colorado Library.
	Fort Collins.....	Colorado State College of Agriculture and Mechanic Arts Library.
Connecticut.....	Hartford.....	Connecticut State Library.
	Hartford.....	Trinity College Library.
	Middletown.....	Wesleyan University Library.
	New Haven.....	Yale University of Connecticut.
Delaware.....	Storrs.....	University of Connecticut.
	Wilmington.....	Wilmington Inst. Free Library.

Libraries—Continued.

State	City	Name of library
District of Columbia.....	Washington.....	The Library of Congress.
Florida.....	Coral Gables.....	University of Miami Law Library.
Idaho.....	Gainesville.....	University of Florida Library.
	Moscow.....	University of Idaho Library.
	Pocatello.....	University of Idaho Library.
Illinois.....	Chicago.....	Southern Branch.
	Chicago.....	Chicago Public Library, Document Department.
	Chicago.....	John Crerar Library.
	Evanston.....	University of Chicago Libraries.
	Springfield.....	Northwestern University Library.
Indiana.....	Urbana.....	Illinois State Library.
	Bloomington.....	University of Illinois Library.
	Fort Wayne.....	Indiana University Library.
	Indianapolis.....	Public Library.
Iowa.....	Iowa City.....	Indiana State Library.
Kansas.....	Lawrence.....	State University of Iowa Library.
Kentucky.....	Lexington.....	University of Kansas Library.
	Louisville.....	University of Kentucky Library.
Louisiana.....	New Orleans.....	Louisville Free Public Library.
	University.....	Howard-Tilton Memorial Library.
Maine.....	Orono.....	Louisiana State University Library.
Maryland.....	Baltimore.....	University of Maine Library.
	Baltimore.....	Enoch Pratt Free Library.
Massachusetts.....	Boston.....	Johns Hopkins University Library.
	Boston.....	Boston Public Library.
	Cambridge.....	State Library of Massachusetts.
Michigan.....	Worcester.....	Littauer Center, Harvard University Library.
	Ann Arbor.....	Free Public Library.
Minnesota.....	Detroit.....	University of Michigan General Library.
	Minneapolis.....	Public Library.
	St. Paul.....	University of Minnesota Library.
Mississippi.....	St. Paul.....	Minnesota State Library.
	University.....	St. Paul Public Library.
Missouri.....	Columbia.....	University of Mississippi Library.
	Kansas City.....	University of Missouri Library.
Montana.....	St. Louis.....	Kansas City Public Library.
Nebraska.....	Helena.....	St. Louis Public Library.
	Omaha.....	Helena Public Library.
Nevada.....	Carson City.....	Municipal University of Omaha Library.
New Jersey.....	New Brunswick.....	Nevada State Library.
	Trenton.....	Rutgers University Library.
New Mexico.....	Albuquerque.....	New Jersey State Library.
	Santa Fe.....	University of New Mexico Library.
New York.....	Albany.....	New Mexico State Law Library.
	New York.....	New York State Library.
	New York.....	College of the City of New York Library.
	New York.....	Columbia University Library, South Hall.
	New York.....	New York Public Library, Astor Branch.
	New York.....	New York Public Library, Lenox Branch.
	Ithaca.....	Cornell University Library.
	Schenectady.....	Union College Library.

Libraries—Continued.

State	City	Name of library
North Carolina.....	Chapel Hill.....	University of North Carolina Library.
	Durham.....	Duke University Library.
	Greensboro.....	Agricultural and Technical College Library.
	Raleigh.....	North Carolina State College Library.
Ohio.....	Bowling Green.....	Bowling Green State College Library.
	Cincinnati.....	Public Library.
	Cleveland.....	Adelbert College Library of Western Reserve University.
	Cleveland.....	Cleveland Public Library.
	Columbus.....	Ohio State Library.
	Columbus.....	Ohio State University Library.
	Dayton.....	Dayton Public Library.
	Oberlin.....	Oberlin College Library.
Oklahoma.....	Oxford.....	Miami University Library.
	Toledo.....	Toledo Public Library.
	Durant.....	Southeastern Teachers College Library.
	Norman.....	University of Oklahoma Library.
Oregon.....	Oklahoma City.....	Oklahoma State Library.
	Stillwater.....	Agricultural and Mechanical College Library.
Pennsylvania.....	Portland.....	Library Association of Portland.
	Salem.....	Oregon State Library.
	Allentown.....	Muhlenberg College Library.
	Harrisburg.....	Pennsylvania State Library.
	Philadelphia.....	Free Library of Philadelphia.
	Pittsburgh.....	Logan Square.
	Reading.....	Carnegie Library.
	State College.....	Reading Public Library.
Rhode Island.....	State College.....	Pennsylvania State College Library.
	Providence.....	Rhode Island State Library.
	Clemson.....	Clemson College Library.
	Brookings.....	Lincoln Memorial Library.
South Carolina.....	Vermillion.....	University of South Dakota Library.
	South Dakota.....	University of Tennessee Library.
Tennessee.....	Knoxville.....	Joint University Libraries.
	Texas.....	Texas State Library.
Texas.....	Canyon.....	The West Texas State Teachers College Library.
	Dallas.....	Dallas Public Library.
	Fort Worth.....	Fort Worth Public Library.
	Galveston.....	Rosenberg Library.
	Houston.....	Houston Public Library.
	Lubbock.....	Texas Technological College Library.
	San Antonio.....	Carnegie Library.
	Provo.....	Brigham Young University Library.
Utah.....	Richmond.....	Virginia State Library.
	University.....	University of Virginia Library.
Virginia.....	Olympia.....	Washington State Library.
	Pullman.....	State College of Washington Library.
Washington.....	Seattle.....	Seattle Public Library.
	Seattle.....	University of Washington Library.
West Virginia.....	Morgantown.....	West Virginia University Library.
	Wisconsin.....	Law Library of Milwaukee County.
Wyoming.....	Milwaukee.....	Milwaukee Public Library.
	Laramie.....	University of Wyoming Library.

AGRICULTURAL ECONOMICS

(See also Charts—Maps—Posters and Bureau List: Agricultural Adjustment Agency and Farm Credit Administration)

GENERAL

Agricultural Information Series:

1 AIS. International trade increases demand for farm products.

Agricultural War Information Series:

28 AWI. America's biggest war plant. (The farm.)
105 AWI. Shall I be a farmer?

Circulars:

160 C. Economic aspects of land settlement in the cut-over region of the Great Lakes States. 20c. For sale only.
258 C. Farmer opinions and other factors influencing cotton production and acreage adjustments in the South.
688 C. Farm adjustments and income on typical Corn Belt farms.

Department Bulletins:

1446 D. Cost of producing winter wheat and incomes from wheat farming in Sherman County, Oreg. 10c. For sale only.
1455 D. Incomes from farming and cost of apple production in the Shenandoah Valley, Frederick County, Va. 10c. For sale only.
1466 D. A farmer's standard of living. A socio-economic study of 2,886 white farm families of selected localities in 11 States. 10c. For sale only.
1480 D. Reliability and adequacy of farm-price data. 15c. For sale only.

Discussion Series:

19 DS. Getting at the facts about agriculture: Program building.
21 DS. Getting established on the farm.

Farmer and the War Series:

1 FW. Farm land values and the war.
2 FW. Farm parity prices and the war.
4 FW. State and local government finance in wartime.
5 FW. American farmers and the United Nations Conference on Food and Agriculture.
6 FW. Negro farmers in wartime food production.
7 FW. What post-war policies for agriculture?

Miscellaneous Publications:

205 MP. Economic and social problems and conditions of the Southern Appalachians.
261 MP. A graphic summary of farm tenure.
262 MP. A graphic summary of farm taxation.
263 MP. A graphic summary of the value of farm property.
264 MP. A graphic summary of farm machinery, facilities, roads, and expenditures. (Based largely on the Census of 1930 and 1935.)

Miscellaneous Publications—Continued.

265 MP. A graphic summary of farm labor and population. (Based largely on the Census of 1930 and 1935.) 10c. For sale only.

266 MP. A graphic summary of the number, size, and type of farm, and value of products.

308 MP. Toward farm security.

421 MP. Atlas of climatic types in the United States, 1900-1939.

463 MP. A method of estimating the economic effects of planned conservation on an individual farm.

485 MP. Seedtime and harvest today.

512 MP. A graphic summary of farm crops.

530 MP. A graphic summary of farm animals and animal products. (Based largely on the Census of 1940.)

Technical Bulletins:

50 T. Factors affecting the price of cotton.

303 T. Economic utilization of marginal lands in Nicholas and Webster Counties, West Virginia.

324 T. An economic study of the pecan industry.

357 T. State land-settlement problems and policies in the United States. 10c. For sale only.

539 T. Federal seed-loan financing and its relation to agricultural rehabilitation and land use.

687 T. A land program for Forest County, Wisconsin: Based on an analysis of land use problems.

703 T. Gross farm income and indices of farm production and prices in the United States, 1869-1937.

709 T. Supply responses in milk production in the Cabot-Marshfield area, Vermont. 10c. For sale only.

750 T. Supply responses in milk production in Dodge and Barron Counties, Wis.

751 T. Trends in dairying by major type-of-farming regions.

764 T. Trends in production and foreign trade for meats and livestock in the United States. 10c. For sale only.

789 T. Supply responses in milk production in southeastern Minnesota.

826 T. Controlling corn and hog supplies and prices. 15c. For sale only.

Yearbooks:

1940 YB. Farmers in a changing world. \$1.50. For sale only.

Yearbook Separates:

1727 Y. Farmers in a changing world—A summary. (1940.)

1732 Y. The development of agricultural policy since the end of the World War. (1940.) 10c. For sale only.

1734 Y. The farmer's stake in greater industrial production. (1940.)

Yearbook Separates—Continued.

1735 Y. The city man's stake in the land. (1940.)
 1736 Y. Agriculture today: An appraisal of the agricultural problem. (1940.) 5c. For sale only.
 1737 Y. Our major agricultural land use problems and suggested lines of action. (1940.) 5c. For sale only.
 1738 Y. The challenge of conservation. (1940.) 5c. For sale only.
 1740 Y. The new range outlook. (1940.)
 1743 Y. The influence of technical progress on agricultural production. (1940.)
 1744 Y. The place of forests in the farm economy. (1940.)
 1749 Y. The industrial market for farm products. (1940.)
 1752 Y. Thirty million customers for the surplus. (1940.) 5c. For sale only.
 1753 Y. Barriers to internal trade in farm products. (1940.)
 1757 Y. The transportation problem of agriculture. (1940.)
 1768 Y. Beyond economics. (1940.)
 1771 Y. Democracy in agriculture—Why and how? (1940.) 5c. For sale only.
 1772 Y. The cultural setting of American agricultural problems. (1940.) 10c. For sale only.
 1780 Y. Cooperative land use planning—A new development in democracy. (1940.)
 1781 Y. Some essentials of a good agricultural policy. (1940.)

Unnumbered:

Achieving a balanced agriculture: How the National Farm Program meets the changing problem. 10c. For sale only.

Barriers to internal trade in farm products.

Economic analysis of the Food Stamp Plan. 20c. For sale only.

Technology on the farm. 40c. For sale only.

The response of Government to agriculture. 15c. For sale only.

AGRICULTURAL HISTORY

(See also Department Organization: Annual Reports and Yearbooks)

Miscellaneous Publications:

15 MP. A history of agricultural extension work in the United States, 1785-1923. 75c. For sale only.
 36 MP. A history of agricultural education in the United States, 1785-1925. \$1.00. For sale only.
 447 MP. A bibliography on the agriculture of the American Indians.
 449 MP. Early American soil conservationists.
 548 MP. Thomas Jefferson, soil conservationist. 10c. For sale only.

Yearbooks:

1940 YB. Farmers in a changing world. \$1.50. For sale only.

Yearbook Separates:

1727 Y. Farmers in a changing world—A summary. (1940.)

1730 Y. American agriculture the first 300 years. 15c. For sale only.

1731 Y. Agriculture in the World War period. (1940.) 5c. For sale only.

1732 Y. The development of agricultural policy since the end of the World War. (1940.) 10c. For sale only.

1772 Y. The cultural setting of American agricultural problems. (1940.) 10c. For sale only.

1774 Y. The contribution of sociology to agriculture. (1940.)

1779 Y. The old and new in agricultural organization. (1940.) 5c. For sale only.

1782 Y. Appendix: A brief chronology of American agricultural history. (1940.)

1783 Y. An historical survey of American agriculture. (1940.)

1786 Y. Climate and man—A summary. (1941.)

1787 Y. Climatic changes through the ages. (1941.)

1790 Y. The settlement of the humid East. (1941.)

1791 Y. Climate and settlement of the subhumid lands. (1941.)

1792 Y. Climate and settlement of the Great Plains. (1941.)

1793 Y. Climate and settlement in the arid region. (1941.)

1794 Y. Settlement and cultivation in the summer-dry climates. (1941.)

1795 Y. The colonization of northern lands. (1941.)

1796 Y. Climate and settlement in Puerto Rico and the Hawaiian Islands. (1941.) 5c. For sale only.

Unnumbered:

Achieving a balanced agriculture: How the National Farm Program meets the changing problem. 10c. For sale only.

Technology on the farm. 40c. For sale only.

Thirty years of extension work.

The response of Government to agriculture. 15c. For sale only.

FARM FINANCES

(See also Bureau List: Agricultural Adjustment Agency; Farm Credit Administration and Farm Security Administration)

Circulars:

54 C. Development and problems in farmers' mutual fire insurance.

240 C. What Ohio farmers think of farmer-owned business organizations in that State.

414 C. Farmer bankruptcies, 1898-1935. 5c. For sale only.

Publications are free in limited amounts unless priced. Do not send remittances to the U. S. Department of Agriculture. See page 3.

Circulars—Continued.

- 548 C. The farm real estate situation, 1936-37, 1937-38, and 1938-39.
- 662 C. The farm real estate situation, 1939-40, 1940-41, 1941-42.
- 688 C. Farm adjustments and income on typical Corn Belt farms.
- 690 C. The farm real estate situation, 1942-43.

Farmer and the War Series:

- 4 FW. State and local government finance in wartime.

Farmers' Bulletins:

- 1139 F. A method of analyzing the farm business.
- 1164 F. The farm lease contract. 5c. For sale only.
- 1564 F. Farm budgeting.
- 1614 F. Business records for poultry keepers.
- 1715 F. Methods and costs of husking corn in the field.
- 1725 F. Methods and costs of filling silos in the North Central States.
- 1962 F. Useful records for family farms.

Leaflets:

- 123 L. The farmer's share of the consumer's food dollar.

Miscellaneous Publications:

- 262 MP. A graphic summary of farm taxation.
- 464 MP. Changes in assets and liabilities of families. Five regions. (Consumer purchases study —urban, village, farm.)
- 478 MP. Farm-mortgage credit facilities in the United States.
- 488 MP. Financing production of Food for Freedom.
- 554 MP. Farm bookkeeping and the Federal income tax.

Separates from Agricultural Statistics:

- 58 SAS. Farm business and related statistics. (1941.)
- 80 SAS. Farm capital and income statistics. (1943.)

Technical Bulletins:

- 521 T. Agricultural loans of commercial banks.
- 539 T. Federal seed-loan financing and its relation to agricultural rehabilitation and land use.
- 575 T. Demand deposits of country banks. 5c. For sale only.
- 700 T. Costs of tractor logging in southern pine. 15c. For sale only.
- 703 T. Gross farm income and indices of farm production and prices in the United States, 1869-1937.
- 777 T. Country banking in Wisconsin during the depression.
- 861 T. Financial aspects of selective cutting in the management of second-growth pine-hardwood forests west of the Mississippi River.

Yearbook Separates:

1750 Y. Reducing the costs of food distribution.
(1940.) 5c. For sale only.
1758 Y. Agricultural credit. (1940.) 5c. For sale only.
1759 Y. Crop insurance. (1940.) 5c. For sale only.
1760 Y. Rural taxation. (1940.) 5c. For sale only.

FARM MANAGEMENT

(See also Departmental Field Station Work; Soils; specific animal or crop and Bureau List: Agricultural Adjustment Agency)

BAE-Ext. Fliers:

2 BAE-Ext. Feeding to produce more milk for victory.

Circulars:

258 C. Farmer opinions and other factors influencing cotton production and acreage adjustments in the South.
624 C. Sheep migration in the Intermountain Region.
636 C. Game and wild fur production and utilization on agricultural land. 10c. For sale only.

Discussion Series:

21 DS. Getting established on the land.

Farmers' Bulletins:

614 F. A Corn-Belt farming system which saves harvest labor by hogging-down crops. 5c.
For sale only.
1045 F. Laying out fields for tractor plowing. 10c.
For sale only.
1087 F. Beautifying the farmstead.
1117 F. Forestry and farm income.
1132 F. Planning the farmstead.
1405 F. The windbreak as a farm asset.
1546 F. Systems of livestock farming in the Black Prairie Belt of Alabama and Mississippi.
1643 F. Fire safeguards for the farm.
1750 F. Summer crops for green manure and soil improvement.
1758 F. Cover crops for soil conservation. 5c. For sale only.
1771 F. Preventing soil blowing on the southern Great Plains.
1789 F. Terracing for soil and water conservation.
1794 F. Forest farming.
1797 F. Implements and methods of tillage to control soil blowing on the northern Great Plains.
1812 F. Native and adapted grasses for conservation of soil and moisture in the Great Plains and Western States.
1825 F. Sand-dune reclamation in the southern Great Plains.
1833 F. Crops against the wind on the southern Great Plains.

Farmers' Bulletins—Continued.

1900 F. Pastures to hold and enrich the soil.
 1940 F. Woodlands in the farm plan.
 1961 F. Getting started in farming.

Leaflets:

165 L. Soil-depleting, soil-conserving and soil-building crops.
 188 L. Protecting field borders.

Miscellaneous Publications:

194 MP. A pasture handbook.
 253 MP. Conservation farming practices and flood control.
 281 MP. A selected bibliography on management of western ranges, livestock, and wildlife.
 394 MP. Farms the rains can't take.
 411 MP. Working plans for permanent farms. 15c.
 For sale only.
 442 MP. New settlement in the Mississippi Delta.
 463 MP. A method of estimating the economic effects of planned conservation on an individual farm.
 474 MP. The cotton-and-tobacco South.
 485 MP. Seedtime and harvest today.
 486 MP. Teamwork to save soil and increase production.
 492 MP. War and farm work.
 496 MP. Wartime farming on the southern Great Plains. 10c. For sale only.
 497 MP. Wartime farming on the northern Great Plains. 10c. For sale only.
 517 MP. Farming for greater production of war crops in the Intermountain and Southwestern Country.

Separates from Agricultural Statistics:

80 SAS. Farm capital and income statistics.

Technical Bulletins:

287 T. Farm-management problems in shifting from sack to bulk handling of grain in the Pacific Northwest.
 289 T. Land utilization in Laurel County, Ky. 25c. For sale only.
 301 T. The public domain of Nevada and factors affecting its use.
 682 T. Plantation organization and operation in the Yazoo-Mississippi Delta area.
 805 T. Experiments with annual crops and permanent pastures to provide grazing for dairy cows in the Sandhill region of the Southeast.

Yearbooks:

1936 YB. Better plants and animals—I. \$1.25. For sale only.
 1937 YB. Better plants and animals—II. \$2.00. For sale only.
 1938 YB. Soils and men. \$1.75. For sale only.
 1939 YB. Food and life. \$1.50. For sale only.

Yearbooks—Continued.

1940 YB. Farmers in a changing world. \$1.50. For sale only.
 1941 YB. Climate and man. \$1.75. For sale only.
 1942 YB. Keeping livestock healthy. \$1.75. For sale only.

Yearbook Separates:

1742 Y. Farm-management problems in an era of change. (1940.) 5c. For sale only.
 1744 Y. The place of forests in the farm economy. (1940.)

Unnumbered:

Better harvests through conservation farming. 5c. For sale only.
 Connecticut farm handbook, 1941: State and Federal agricultural services.
 Conservation farming for the hard lands of the southern Great Plains.
 Conservation farming for the sandy lands of the southern Great Plains.
 Conservation practices for the range lands of the southern Great Plains.
 Farm tenancy. Report of the President's Committee, February, 1937. 30c. For sale only.
 Kentucky farm handbook, 1942: State and Federal agricultural services.
 Land use adjustment in the Spring Creek area, Campbell County, Wyoming.
 Minnesota farm handbook, 1941: State and Federal agricultural services.
 New Hampshire farm handbook, 1941: State and Federal agricultural services.
 North Carolina farm handbook, 1941: State and Federal agricultural services.
 Proceedings of the National Conference on Land Utilization, Chicago, Ill., November 19-21, 1931.
 Rural zoning and your county.
 State legislation for better land use. 30c. For sale only.

RURAL LIFE

(See also Extension Work and Bureau List: Farm Credit Administration)

Agricultural War Information Series:

29 AWI. The challenge to farm youth in 1943. A message to 4-H Club members.
 51 AWI. 4-H . . . and the war.

Department Bulletins:

1466 D. The farmer's standard of living. A socio-economic study of 2,886 white farm families of selected localities in 11 States. 10c. For sale only.

Discussion Series:

D-3. What is the discussion leader's job?
 D-4. Group discussion and its techniques.
 1 DN. Suggestions for discussion group members.
 2 DN. Suggestions for group discussion leaders.

Discussion Series—Continued.

- 4 DN. Suggestions for panel discussions.
- 19 DS. Getting at the facts about agriculture: Program building.
- 20 DS. Surplus farm products—Where shall we find a market?
- 21 DS. Getting established on the land.
- 22 DS. Let's talk about milk production for a world at war.
- 23 DS. Let's talk about farm labor for a wartime job.
- 24 DS. Let's talk about when Joe comes home and comes back to the farm.
- 25 DS. Let's talk about buying and selling farm products abroad.

Farmer and the War Series:

- 6 FW. Negro farmers in wartime food production.

Farmers' Bulletins:

- 1245 F. Farmers' telephone companies: Organization, financing, and management. 5c. For sale only.
- 1441 F. Rural planning: The village.
- 1492 F. Arbor Day: Its purpose and observance.
- 1792 F. Hospitals for rural communities.
- 1804 F. Community building for farm families.
- 1847 F. Rural library service.

Leaflets:

- 73 L. Is the public market a good civic investment?

Miscellaneous Publications:

- 205 MP. Economic and social problems and conditions of the Southern Appalachians.
- 373 MP. State forests for public use.
- 388 MP. Living and forest lands.
- 475 MP. Minimum requirements for farmhouses recommended by the United States Department of Agriculture.
- 479 MP. A camera report on El Cerrito, a typical Spanish-American community in New Mexico. 45c. For sale only.

Technical Bulletins:

- 576 T. Family living in Knott County, Ky. 10c. For sale only.

Yearbooks:

- 1940 YB. Farmers in a changing world. \$1.50. For sale only.

Yearbook Separates:

- 1729 Y. Old ideals versus new ideas in farm life. (1940.)
- 1762 Y. New conditions demand new opportunities. (1940.)
- 1763 Y. The rural people. (1940.)
- 1764 Y. Patterns of living of farm families. (1940.) 10c. For sale only.
- 1765 Y. Overcrowded farms. (1940.)
- 1768 Y. Beyond economics. (1940.)

Yearbook Separates—Continued.

1771 Y. Democracy in agriculture—Why and how? (1940.) 5c. For sale only.

1772 Y. The cultural setting of American agricultural problems. (1940.) 10c. For sale only.

1773 Y. Education for rural life. 5c. For sale only.

1774 Y. The contribution of sociology to agriculture. (1940.)

1778 Y. Schools of philosophy for farmers. (1940.)

Unnumbered:

Forest outings. 75c, paper; \$1.25, buckram. For sale only.

National forest vacations.

Rural zoning and your county.

Technology on the farm. 40c. For sale only.

What agricultural extension is.

SUBSISTENCE FARMING

(See also Home Economics and Vegetable Gardening: City and Suburban)

Farmers' Bulletins:

1733 F. Planning a subsistence homestead.

1753 F. Livestock for small farms.

Miscellaneous Publications:

172 MP. Bibliography on land settlement with particular reference to small holdings and subsistence homesteads.

538 MP. Growing vegetables in town and city.

AGRICULTURAL ENGINEERING

(See also Bureau List: Rural Electrification Administration)

BUILDINGS**Agricultural War Information Series:**

68 AWI. Smokehouses and hog slaughtering equipment.

Circulars:

214 C. Small plants for pasteurizing milk.

432 C. Country milk-receiving and cooling stations.

489 C. Selection, installation, finish, and maintenance of wood floors for dwellings.

587 C. Temperature of wheat in experimental farm-type storage.

637 C. Wheat storage in experimental farm-type bins.

701 C. Hog-housing requirements.

Farmers' Bulletins:

744 F. The preservative treatment of farm timbers.

810 F. Equipment for farm sheep raising.

1204 F. Northwestern apple packing houses.

1214 F. Farm dairy houses.

Farmers' Bulletins—Continued.

1267 F. Utilization of flue-heated tobacco barns for sweetpotato storage.

1393 F. Principles of dairy-barn ventilation.

1426 F. Farm plumbing.

1442 F. Storage of sweetpotatoes.

1452 F. Painting on the farm.

1460 F. Simple plumbing repairs in the home.

1487 F. Practical hog houses.

1500 F. Rammed earth walls for buildings. 5c. For sale only.

1512 F. Protection of buildings and farm property from lightning.

1554 F. Poultry houses and fixtures.

1572 F. Making cellars dry.

1582 F. Protection of log cabins, rustic work, and unseasoned wood from injurious insects.

1590 F. Fire-protective construction on the farm.

1636 F. Farm bulk storage for small grains.

1660 F. The use of logs and poles in farm construction.

1698 F. Heating the farm home.

1720 F. Adobe or sun-dried brick for farm buildings.

1738 F. Farmhouse plans.

1743 F. Hotbeds and coldframes.

1749 F. Modernizing farmhouses.

1751 F. Roof coverings for farm buildings and their repair.

1756 F. Selection of lumber for farm and home building. 5c. For sale only.

1772 F. Use of concrete on the farm.

1792 F. Hospitals for rural communities.

1804 F. Community buildings for farm families.

1820 F. Silo types and construction.

1865 F. Closets and storage spaces.

1869 F. Foundations for farm buildings.

1889 F. Fireplaces and chimneys.

1950 F. Sewage and garbage disposal on the farm.

Leaflets:

56 L. Preventing cracks in new wood floors.

62 L. Why some wood surfaces hold paint longer than others.

124 L. Sash greenhouses.

Miscellaneous Publications:

347 MP. Lumber requirements for nonfarm residential construction.

358 MP. Use and abuse of wood in house construction. 10c. For sale only.

387 MP. Turpentine-still buildings and equipment.

475 MP. Minimum requirements for farmhouses recommended by the United States Department of Agriculture.

Technical Bulletins:

109 T. A study of the oil burner as applied to domestic heating. 10c. For sale only.

597 T. Lag-screw joints: Their behavior and design. 10c. For sale only.

691 T. The glued laminated wooden arch.

Technical Bulletins—Continued.

804 T. Classification of house and barn paints.
 822 T. Factors affecting temperatures in southern farmhouses.

Unnumbered:

Camp stoves and fireplaces. \$1.50. For sale only.

ELECTRICITY

(See also Bureau List: Rural Electrification Administration)

Agricultural War Information Series:

4 AWI. How to make your refrigerator last longer.
 6 AWI. How to make your washing machine last longer.
 8 AWI. How to make your gas and electric range last longer.
 11 AWI. How to make your ironing equipment last longer.
 19 AWI. Take care of vacuum cleaners and carpet sweepers.
 20 AWI. How to make your electric cords last longer.
 76 AWI. Home-built electric dehydrator.

Circulars:

601 C. Reducing power waste in operating cotton gins.

Leaflets:

191 L. Liquefied gas for the household.

Yearbook Separates:

1761 Y. Rural electrification. (1940.) 5c. For sale only.

FARM AND HOUSEHOLD ENGINEERING

(See also Bureau List: Rural Electrification Administration)

Circulars:

285 C. Portable refrigeration chambers for studying cold resistance of plants in the field. 5c. For sale only.
 393 C. Care and maintenance of cotton-gin saws and ribs.
 546 C. Putting down and developing wells for irrigation.

Farmers' Bulletins:

1078 F. Harvesting and storing ice on the farm.
 1393 F. Principles of dairy-barn ventilation.
 1426 F. Farm plumbing.
 1448 F. Farmstead water supply.
 1460 F. Simple plumbing repairs in the home.
 1526 F. Clearing land of brush and stumps. 5c. For sale only.
 1572 F. Making cellars dry.
 1658 F. Farm water power.
 1683 F. Measuring water in the irrigation channels.
 1698 F. Heating the farm home.
 1751 F. Roof coverings for farm buildings and their repair.

Farmers' Bulletins—Continued.

1756 F. Selection of lumber for farm and home building. 5c. For sale only.

1772 F. Use of concrete on the farm.

1789 F. Terracing for soil and water conservation.

1790 F. The Nichols terrace: An improved channel-type terrace for the Southeast.

1801 F. Making lime on the farm.

1859 F. Stock-water developments: Wells, springs, and ponds. 10c. For sale only.

1889 F. Fireplaces and chimneys.

1950 F. Sewage and garbage disposal on the farm.

Technical Bulletins:

443 T. Application of steam in the sterilization of soils. 5c. For sale only.

Unnumbered:

Camp stoves and fireplaces. \$1.50. For sale only.

Terrace construction with small equipment in the South.

MACHINERY AND EQUIPMENT

(See also Bureau List: Rural Electrification Administration)

Agricultural War Information Series:

24 AWI. Wooden fences and gates that conserve critical materials.

76 AWI. Home-built electric dehydrator.

BAE-Ext. Fliers:

4 BAE-Ext. Farm machinery goes to war.

Circulars:

48 C. Improved apparatus and method for making "shellings" of rough rice.

99 C. Equipment for city milk plants.

155 C. The ice well for the dairy farm. 5c. For sale only.

214 C. Small plants for pasteurizing milk.

285 C. Portable refrigeration chambers for studying cold resistance of plants in the field. 5c. For sale only.

321 C. Use of farm machinery for corn borer control in the one-generation area.

361 C. Removing smut balls from seed wheat.

393 C. Care and maintenance of cotton-gin saws and ribs.

399 C. Machine placement of fertilizers for snap beans in Florida. 5c. For sale only.

467 C. Care and repair of cotton-gin brushes.

470 C. Performance characteristics of 5- and 6-foot combines.

510 C. Air-blast gin performance and maintenance.

594 C. The use of traps against the Japanese beetle.

598 C. Experiments in the use of vapor-spray equipment. 5c. For sale only.

599 C. A combination suspended-load sampler and velocity meter for small streams.

Circulars—Continued.

- 601 C. Reducing power waste in operating cotton gins.
- 621 C. A practical seed-cotton moisture tester for use at gins. 10c. For sale only.
- 627 C. Fruit pressure testers and their practical application.
- 630 C. Improved Bates laboratory aspirator.

Farmers' Bulletins:

- 734 F. Flytraps and their operation.
- 744 F. The preservative treatment of farm timbers.
- 810 F. Equipment for farm sheep raising.
- 948 F. The rag-doll seed tester: Its use in determining what ears of corn are fit for seed.
- 1045 F. Laying out fields for tractor plowing. 10c. For sale only.
- 1315 F. Cleaning milking machines.
- 1448 F. Farmstead water supply.
- 1460 F. Simple plumbing repairs in the home.
- 1490 F. Hog-lot equipment.
- 1512 F. Protection of buildings and farm property from lightning.
- 1584 F. Feed-lot and ranch equipment for beef cattle.
- 1589 F. The husker-shredder on eastern Corn Belt farms. 5c. For sale only.
- 1615 F. Hay stackers and their use.
- 1662 F. Husker-shredders in corn borer control.
- 1675 F. Care of milk utensils on the farm.
- 1678 F. Safe use and storage of gasoline and kerosene on the farm. 5c. For sale only.
- 1690 F. Plowing with moldboard plows. 5c. For sale only.
- 1715 F. Methods and costs of husking corn in the field.
- 1725 F. Methods and costs of filling silos in the North Central States.
- 1729 F. Machinery for dusting cotton.
- 1743 F. Hotbeds and coldframes.
- 1748 F. Ginning cotton.
- 1754 F. Care and repair of mowers and binders.
- 1761 F. Harvesting with combines.
- 1797 F. Implements and methods of tillage to control soil blowing on the northern Great Plains.
- 1801 F. Making lime on the farm.
- 1802 F. Modernizing cotton gins.
- 1816 F. Mechanizing the corn harvest.
- 1820 F. Silo types and construction.
- 1821 F. Containers for fruits and vegetables.
- 1832 F. Farm fences.
- 1838 F. Electric light for the farmstead.
- 1857 F. Small irrigation pumping plants.
- 1858 F. Electric motors for the farm. 5c. For sale only.
- 1865 F. Closets and storage spaces.
- 1907 F. Equipment and methods for harvesting farm woodland products.
- 1931 F. Care and use of rope on the farm.
- 1933 F. Sugar-beet blocking by machinery.

Leaflets:

- 107 L. The barrel seed scarifier.
- 151 L. Effects of feeds and saw speeds on cotton turn-out and quality.
- 169 L. Preventing gin damage to cotton.
- 181 L. Drying seed cotton.
- 191 L. Liquefied gas for the household.
- 202 L. Grafting-wax melter.
- 216 L. Cotton gin maintenance.
- 217 L. Ginning cotton for pure seed preservation.

Miscellaneous Publications:

- 75 MP. Method of testing the capacity of fruit and vegetable containers under the United States Standard Container Acts. 5c. For sale only.
- 239 MP. The vertical drier for seed cotton.
- 264 MP. A graphic summary of farm machinery, facilities, roads, and expenditures. (Based largely on the Census of 1930 and 1935.).
- 314 MP. Overhead cleaner-drying systems for seed cotton.
- 372 MP. A survey and discussion of lysimeters and a bibliography on their construction and performance.
- 387 MP. Turpentine-still buildings and equipment.
- 415 MP. Family expenditures for automobile and other transportation. Five regions. (Consumer purchases study—Urban, village, farm.)

Technical Bulletins:

- 109 T. A study of the oil burner as applied to domestic heating. 10c. For sale only.
- 205 T. Gluing wood in aircraft manufacture.
- 280 T. Effect of plant arrangement, equipment, and methods of operation in relation to breakage of bottles in milk plants.
- 490 T. Explosibility of agricultural and other dusts as indicated by maximum pressure and rates of pressure rise.
- 503 T. Effects of gin-saw speed and seed-roll density on quality of cotton lint and operation of gin stands. 10c. For sale only.
- 508 T. Effect of artificially drying seed cotton before ginning on certain quality elements of the lint and seed and on the operation of the gin stand. 10c. For sale only.
- 663 T. Effect of cleaning seed cotton on lint quality and ginning efficiency.
- 669 T. Fertilizer placement for potatoes.
- 700 T. Costs of tractor logging in southern pine. 15c. For sale only.
- 756 T. The corrosive effect of chlorine and lye solutions on metals used in dairy equipment.
- 773 T. Kiln design and development of schedules for extracting seed from cones.

Yearbook Separates:

1743 Y. The influence of technical progress on agricultural production. (1940.)

Unnumbered:

Technology on the farm. 40c. For sale only.
Terrace construction with small equipment in the South.

AGRICULTURE IN FOREIGN COUNTRIES

(See also Periodical Publications and Mailing Lists: Agriculture in the Americas and Foreign Agriculture)

Agricultural Information Series:

1 AIS.. International trade increases demand for farm products.

Circulars:

168 C. Insects injurious to agriculture in Japan. 20c. For sale only.
176 C. Observations on the satin moth and its natural enemies in central Europe. 5c. For sale only.

Department Bulletins:

271 D. Dates of Egypt and the Sudan. 20c. For sale only.
1234 D. Agricultural survey of Europe: The Danube Basin—Part 1. 15c. For sale only.
1457 D. Date culture in Egypt and the Sudan. 25c. For sale only.

Discussion Series:

25 DS. Let's talk about buying and selling farm products abroad.)

Foreign Agriculture Bulletins:

1 FAB. The agriculture of Colombia.
2 FAB. The agriculture of Cuba.

Miscellaneous Publications:

243 MP. Manual of the grasses of the West Indies.

Separates from Agricultural Statistics:

57 SAS. Foreign trade of the United States in agricultural products. (1941.)

Technical Bulletins:

15 T. The citrus insects of Japan. 5c. For sale only.
59 T. The European corn borer and its controlling factors in Europe. 10c. For sale only.
320 T. The citrus blackfly in Asia, and the importation of its natural enemies into tropical America. 10c. For sale only.
363 T. The parasites of the sugarcane borer in Argentina and Peru, and their introduction into the United States. 5c. For sale only.
446 T. Yields of barley in the United States and Canada, 1927-31. 10c. For sale only.

Technical Bulletins—Continued.

451 T. Cotton production in Egypt. 5c. For sale only.

455 T. The European corn borer and its controlling factors in the Orient. 5c. For sale only.

535 T. Wheat requirements in Europe. (Especially pertaining to quality and type and to milling and baking practices.) 15c. For sale only.

587 T. Consumption and production of tobacco in Europe.

764 T. Trends in production and foreign trade for meats and livestock in the United States. 10c. For sale only.

ANIMAL INDUSTRIES

LIVESTOCK—GENERAL

(See also specific animal)

Agricultural War Information Series:

62 AWI. Forage for fall feeding.

97 AWI. Making high-grade hay.

Circulars:

32 C. The regional lymph glands of food animals.

183 C. Factors for converting percentages of nitrogen in foods and feeds into percentages of proteins.

567 C. Artificial insemination in livestock breeding.

666 C. Influence of lime and fertilizers on pasture establishment and production at Jeanerette, La., 1932 to 1938.

670 C. Feed consumption by livestock 1910-41. 10c. For sale only.

Department Circulars:

235 DC. Utility value of purebred livestock.

379 DC. The use of salt in range management.

Farmers' Bulletins:

578 F. The making and feeding of silage.

954 F. The disinfection of stables.

1179 F. Feeding cottonseed products to livestock.

1428 F. Saving livestock from starvation on south-western ranges.

1546 F. Systems of livestock farming in the Black Prairie Belt of Alabama and Mississippi. 5c. For sale only.

1699 F. Growing root crops for livestock.

1721 F. Determining the age of farm animals by their teeth.

1753 F. Livestock for small farms.

1764 F. Growing and feeding grain sorghums.

1820 F. Silo types and construction.

1859 F. Stockwater developments: Wells, springs, and ponds.

1921 F. Improving range conditions for wartime livestock production.

1949 F. Judging condition and utilization of short-grass ranges on the central Great Plains.

Leaflets:

1 L. Ways to save young livestock.
238 L. Making grass silage by the wilting method.

Miscellaneous Circulars:

12 MC. A handbook for better feeding of livestock.

Miscellaneous Publications:

132 MP. Rice and its byproducts for feeding livestock. 5c. For sale only.
194 MP. A pasture handbook. 10c. For sale only.
207 MP. Raising reindeer in Alaska. 5c. For sale only.
281 MP. A selected bibliography on management of western ranges, livestock, and wildlife.
529 MP. Range and livestock production practices in the Southwest. 10c. For sale only.

Technical Bulletins:

220 T. A study of the influence of herbaceous plant cover on surface run-off and soil erosion in relation to grazing on the Wasatch Plateau in Utah.

Yearbooks:

1936 YB. Better plants and animals—I. \$1.25. For sale only.
1937 YB. Better plants and animals—II. \$2.00. For sale only.
1939 YB. Food and life. \$1.50. For sale only.

Yearbook Separates:

1669 Y. Food and life—A summary. (1939.)
1692 Y. The digestive processes in domestic animals. (1939.)
1695 Y. Some effects of nutritional levels. (1939.)
1696 Y. The relation of diet to reproduction. (1939.)
1697 Y. The relation of nutrition to the production of hides and wool. (1939.)
1698 Y. The nutrition of very young animals. (1939.)
1811 Y. Climate and grazing. (1941.)
1815 Y. Climate and livestock production. (1941.)

Diseases and Parasites: Livestock—General

(See also specific animal and Charts—Maps—Posters)

Circulars:

32 C. The regional lymph glands of food animals.
454 C. Preparation of pathological specimens from animal tissues and their mounting under watch glasses.

Department Bulletins:

1245 D. Stock-poisoning plants of the range.

Department Circulars:

249 DC. Tuberculin testing of livestock.
325 DC. Foot-and-mouth disease, with special reference to the outbreak of 1914.

Farmers' Bulletins:

666 F. Foot-and-mouth disease.
926 F. Some common disinfectants.
954 F. The disinfection of stables.
988 F. Larkspur or "poison weed."

Farmers' Bulletins—Continued.

1018 F. Hemorrhagic septicemia, "shipping" fever of cattle.
 1054 F. The loco-weed disease.
 1069 F. Tuberculosis in livestock: Detection, control, and eradication.
 1273 F. The stock-poisoning death camas.
 1355 F. Blackleg: Its nature, cause, and prevention.
 1625 F. Tick fever.
 1736 F. Anthrax.
 1871 F. Brucellosis of cattle (Bang's disease, infectious abortion).

Leaflets:

88 L. Poisoning of livestock by plants that produce hydrocyanic acid.

Miscellaneous Publications:

59 MP. Reliability of the tuberculin test.
 68 MP. The 1929 outbreak of foot-and-mouth disease in southern California. 5c. For sale only.

Technical Bulletins:

219 T. Mountain-laurel (*Kalmia latifolia*) and sheep laurel (*Kalmia angustifolia*) as stock-poisoning plants.
 468 T. Efficacy of anthrax biologics in producing immunity in previously unexposed animals. 5c. For sale only.

Yearbook Separates:

1394 Y. Animal disease control by scientific methods shows notable progress. (1933.)
 1816 Y. Climate in relation to worm parasites of livestock. (1941.)
 1870 Y. Losses caused by animal diseases and parasites. (1942.)
 1871 Y. Causes of disease. (1942.)
 1872 Y. Protective mechanisms against disease. (1942.)
 1873 Y. The endocrine glands in health and disease. (1942.)
 1874 Y. The relation of genetics to disease. (1942.)
 1875 Y. Artificial insemination and disease control. (1942.)
 1876 Y. Disinfection and disinfectants. (1942.)
 1877 Y. How research aids in disease control. (1942.)
 1878 Y. Regulatory activities in animal disease control. (1942.)
 1879 Y. Fighting disease with knowledge. (1942.)
 1880 Y. Tuberculosis and its eradication. (1942.)
 1882 Y. Foot-and-mouth disease. (1942.)
 1883 Y. Parasites and insects affecting livestock. (1942.)
 1884 Y. Bacterial infections and parasites common to man and animals. (1942.)
 1885 Y. Nutritional diseases of farm animals. (1942.)
 1886 Y. Plants poisonous to livestock. (1942.)
 1893 Y. Diseases of wildlife and their relationship to domestic livestock. (1942.)

Unnumbered.

Index-catalogue of medical and veterinary zoology. Part
 1. Authors: AALL to AZZOLINA.
 Index-catalogue of medical and veterinary zoology. Part
 2. Authors: B to BYCHKOV.
 Index-catalogue of medical and veterinary zoology. Part
 3. Authors: C to CZYGAN.
 Index-catalogue of medical and veterinary zoology. Part
 4. Authors: D to DZUNKOVSKI.
 Index-catalogue of medical and veterinary zoology. Part
 5. Authors: E to FYNNEY.
 Index-catalogue of medical and veterinary zoology. Part
 6. Authors: G to GYSER.

Insects: Livestock—General
 (See also specific animal)

Farmers' Bulletins:

734 F. Flytraps and their operation.
 980 F. The spinose ear tick and methods of treating infested animals.
 1097 F. The stable fly: How to prevent its annoyance and its losses to livestock.

Leaflets:

162 L. Screwworm control.

Technical Bulletins:

80 T. Tests of blowfly baits and repellents during 1926. 5c. For sale only.
 365 T. Biology of *Brachymeria fonscolombei* (Dufour), a hymenopterous parasite of blowfly larvae. 5c. For sale only.
 500 T. Biology of the primary screwworm fly, *Cochliomyia americana*, and a comparison of its stages with those of *C. macularia*. 10c. For sale only.

Products: Livestock—General
 (See also specific animal)

Circulars:

378 C. A practical laboratory method of making thin cross sections of fibers.
 706 C. Meat dehydration.

Farmers' Bulletins:

1055 F. Country hides and skins, skinning, curing, and marketing.
 1334 F. Home tanning of leather and small fur skins.

Technical Bulletins:

383 T. Microbiological studies of salt in relation to the reddening of salted hides.

Marketing: Livestock and Products—General

(See also Department Organization; Laws—Rules—Regulations; Marketing Research; specific animal and Bureau List: Office of Marketing Services and Farm Credit Administration.)

Agricultural War Information Series:

69 AWI. The farmer grades his meat.

Publications are free in limited amounts unless priced. Do not send remittances to the U. S. Department of Agriculture. See page 3.

Commodity Statistics:

3 CS. Livestock, meats, and wool market statistics and related data, 1942. 25c. For sale only.
 8 CS. Livestock, meats, and wool market statistics and related data, 1943.

Department Circulars:

300 DC. Commercial cuts of meat.

Farmers' Bulletins:

1551 F. Marketing farm produce by parcel post.

Leaflets:

38 L. Maintaining the health of livestock in transit.
 122 L. U. S. graded and stamped meat.

Miscellaneous Circulars:

63 MC. The inspection stamp as a guide to wholesome meat.

Miscellaneous Publications:

33 MP. Advantages of standards for livestock and meats.
 530 MP. A graphic summary of farm animals and animal products.

Statistical Bulletins:

59 S. Fats, oils, and oleaginous raw materials—Production, prices, trade, disappearance in the United States, 1912-35, and available data for earlier years.

Technical Bulletins:

737 T. Wholesale prices of fats and oils in the United States: Index numbers, 1910-39.
 764 T. Trends in production and foreign trade for meats and livestock in the U. S. 10c. For sale only.

Yearbook Separates:

1147 Y. Crop and livestock production trends. (1931.) 10c. For sale only.
 1162 Y. Federal meat inspection protects consumers and locates animal diseases. (1931.) 5c. For sale only.
 1686 Y. United States meat inspection. (1939.)

CATTLE**BEEF CATTLE**

(See also Livestock—General; pp. 44-45 for diseases, insects, and parasites)

Agricultural War Information Series:

74 AWI. Southwestern stockman. . . . Play to win.

Circulars:

629 C. Soybean and Korean lespedeza hays compared with alfalfa for wintering beef calves.

Circulars—Continued.

642 C. Yearlong grazing of steers in the northern Great Plains.

673 C. Hybrid beef cattle for subtropical climates.

705 C. Comparison of native grasses and crested wheatgrass and supplements for beef cattle in the northern Great Plains. 5c. For sale only.

Farmers' Bulletins:

1068 F. Judging beef cattle.

1135 F. The beef calf: Its growth and development.

1395 F. Beef-cattle production in the range area.

1415 F. Beef on the farm: Slaughtering, cutting, curing.

1549 F. Feeding cattle for beef.

1584 F. Feed-lot and ranch equipment for beef cattle.

1592 F. Beef production on the farm.

1600 F. Dehorning, castrating, branding, and marking beef cattle.

1779 F. Beef-cattle breeds for beef and for beef and milk.

1916 F. Beef cattle for breeding purposes.

Technical Bulletins:

529 T. Effect of different methods of wintering beef calves, in the northern Great Plains, on winter gains and feed costs and on subsequent summer gains. 5c. For sale only.

547 T. Effect of different methods of grazing on native vegetation and gains of steers in northern Great Plains. 5c. For sale only.

564 T. Comparison of feeds for fattening beef calves before and after weaning.

565 T. Comparison of feeds for wintering steers in the northern Great Plains. 5c. For sale only.

581 T. Comparison of various forms of milo grain for fattening steers in the southern Great Plains. 5c. For sale only.

635 T. Comparison of alfalfa and western wheat-grass hays for wintering yearling heifers in the northern Great Plains and their influence on summer gains.

664 T. Relative merits of producing creep-fed, feeder, and lot-fattened calves in the Appalachian region.

717 T. Beef production and quality as affected by method of feeding supplements to steers on grass in the Appalachian region.

831 T. Velvetbeans, cottonseed meal, and peanut meal as protein feeds for fattening steers in the Coastal Plain area.

847 T. Fattening steers on milo grain in the southern Great Plains.

Technical Bulletins—Continued.

856 T. Effects of phosphorus supplements on cattle grazing on range deficient in this mineral.

862 T. Comparison of corn and corn-molasses mixture for fattening beef calves before and after weaning.

864 T. Corn-molasses mixtures compared with corn for fattening beef cattle in the Coastal Plain area.

Products: Beef Cattle

(See also Products: Livestock—General)

Farmers' Bulletins:

1415 F. Beef on the farm: Slaughtering, cutting, curing.

Marketing: Beef Cattle and Products

(See also Marketing; Livestock and Products; and Department Organization: Laws—Rules—Regulations)

Agricultural War Information Series:

55 AWI. Market your range cattle in the best condition.

Circulars:

28 C. Market classes and grades of calves and vealers. 5c. For sale only.

103 C. Market classes and grades of dressed veal and calf carcasses.

505 C. Market classes and grades of feeder and stocker cattle.

524 C. Determination of slaughter-steer grades from weights and measurements.

Department Bulletins:

1464 D. Market classes and grades of cattle.

Leaflets:

122 L. U. S. graded and stamped meat.

Miscellaneous Publications:

391 MP. Federal beef grading.

Separates from Agricultural Statistics:

55 SAS. Statistics of beef cattle, hogs, sheep, horses, and mules. (1941.)

78 SAS. Statistics of beef cattle, hogs, sheep, horses, and mules. (1943.)

Charts:

Beef Grading Charts:

No. 1 Beef graded and stamped by U. S. Government graders. (Hind quarter.) 12 by 16 inches. Colored.

No. 2 Beef graded and stamped by U. S. Government graders. (Fore quarter.) 12 by 16 inches. Colored.

No. 3 Steaks and roasts from U. S. Government graded beef. 12 by 16 inches. Colored.

Wholesale and retail cuts of beef, veal, lamb and fresh pork. 16 by 24 inches. Set of 4 charts. Colored.

Posters:

United States grades of slaughter heifers. 21 by 38 inches. Colored.
 United States grades of slaughter cows. 21 by 33 inches. Colored.

DAIRY CATTLE

(See also Livestock: General; pp. 44-45 for diseases, insects, and parasites)

BAE-Ext. Fliers:

2 BAE-Ext. Feeding to produce more milk for victory.

Circulars:

180 C. The production of dairy cows as affected by frequency and regularity of milking and feeding.
 696 C. Single grains and grain mixtures as supplements to alfalfa hay and silage for milk production.

Farmers' Bulletins:

1214 F. Farm dairy houses.
 1393 F. Principles of dairy-barn ventilation.
 1412 F. Care and management of dairy bulls.
 1443 F. Dairy cattle breeds.
 1470 F. Care and management of dairy cows.
 1604 F. Dairy-herd-improvement associations, and stories the records tell. 5c. For sale only.
 1610 F. Dairy farming for beginners.
 1626 F. Feeding dairy cows.
 1723 F. Feeding, care, and management of young dairy stock.
 1769 F. Dairy cattle judging.
 1779 F. Beef-cattle breeds for beef and for beef and milk.
 1830 F. Cooperative dairy bull associations.

Leaflets:

3 L. Improved sanitation in milk production.
 25 L. Preventing feed flavors and odors in milk.
 238 L. Making grass silage by the wilting method.

Miscellaneous Publications:

130 MP. Feeding and management investigations at the United States Dairy Experiment Station at Beltsville, Md. 1930 report. 5c. For sale only.
 179 MP. Feeding and management investigations at the United States Dairy Experiment Station at Beltsville, Md. 1932 report.
 277 MP. List of sires proved in dairy herd improvement associations, 1935-37. Arranged by breeds. 15c. For sale only.
 353 MP. List of sires proved in dairy herd improvement associations, 1939. 15c. For sale only.
 359 MP. The cow tester's manual. 15c. For sale only.

Miscellaneous Publications—Continued.

409 MP. Judging dairy cattle on the basis of types and records of production.

487 MP. List of sires proved in dairy herd improvement associations, 1942. 15c. For sale only.

522 MP. List of sires proved in dairy herd improvement associations, 1943. 15c. For sale only.

544 MP. List of sires proved in dairy herd improvement associations 1944. 25c. For sale only.

Technical Bulletins:

321 T. Reproduction and health records of the Beltsville herd of the Bureau of Dairy Industry. 5c. For sale only.

352 T. Sudan grass as hay, silage, and pasture for dairy cattle.

473 T. Heavy cottonseed meal feeding in relation to udder troubles in dairy cows.

522 T. Incomplete milking in relation to milk production and udder troubles in dairy cows.

610 T. Feeding dairy cows on alfalfa hay alone. 10c. For sale only.

677 T. Experiments in breeding Holstein-Friesian cattle for milk and butterfat-producing ability, and an analysis of the foundation cows and of the first outbred generation. 15c. For sale only.

724 T. Milk and butterfat production by dairy cows on four different planes of feeding.

739 T. Yield, chemical composition, and feeding value for milk production of alfalfa hay cut at three stages of maturity. 10c. For sale only.

805 T. Experiments with annual crops and permanent pastures to provide grazing for dairy cows in the Sandhill region of the Southeast.

812 T. The competitive position of dairying in southern New England.

827 T. Milk yields and milking rates of the individual quarters of the dairy cow udder.

Yearbook Separates:

1701 Y. The feeding of dairy cows for intensive milk production in practice. (1939.) 5c. For sale only.

Products: Dairy Cattle

(See also Products: Livestock—General)

Circulars:

99 C. Equipment for city milk plants.

155 C. The ice well for the dairy farm. 5c. For sale only.

214 C. Small plants for pasteurizing milk.

260 C. Operation and management of milk plants.

352 C. Packaging, curing, and merchandising American Cheddar cheese in cans. 5c. For sale only.

Circulars—Continued.

645 C. Low-priced milk and the consumption of dairy products among low-income families, Washington, D. C., 1940.

Department Bulletins:

608 D. Varieties of cheese: Descriptions and analyses. 15c. For sale only.

1326 D. The effect of garlic on the flavor and odor of milk. 5c. For sale only.

Discussion Series:

22 DS. Let's talk about milk production for a world at war.

Farmers' Bulletins:

602 F. Production of clean milk.

876 F. Making butter on the farm.

976 F. Cooling milk and cream on the farm.

1315 F. Cleaning milking machines.

1675 F. Care of milk utensils on the farm.

1705 F. Milk for the family.

1734 F. Making American cheese on the farm for home consumption.

Leaflets:

177 L. The pasteurization of milk.

213 L. Sour cream: How to prepare and use it at home.

Miscellaneous Publications:

42 MP. Points to consider in establishing a cheese factory.

119 MP. The manufacture of low-acid rennet-type cottage cheese.

146 MP. Milk-quality improvement program for 4-H dairy clubs. 5c. For sale only.

148 MP. A milk-quality improvement program for extension workers. 5c. For sale only.

161 MP. Testing milk and cream.

386 MP. Packaging sliced Cheddar and Swiss cheese in cans for sandwich dispensers. 5c. For sale only.

Technical Bulletins:

84 T. Preservation of peaches for use in the manufacture of ice cream. 5c. For sale only.

280 T. Effect of plant arrangement, equipment, and methods of operation in relation to breakage of bottles in milk plants.

671 T. Composition and properties of goat's milk as compared with cow's milk.

756 T. The corrosive effect of chlorine and lye solutions on metals used in dairy equipment.

815 T. Input-output relationships in milk production.

832 T. Effect of homogenization on the curd tension, digestibility, and keeping quality of milk.

Marketing: Dairy Cattle and Products

(See also Marketing: Livestock and Products; and Department Organization: Laws—Rules—Regulations)

Circulars:

- 352 C. Packaging, curing, and merchandising American Cheddar cheese in cans. 5c. For sale only.
- 432 C. Country milk-receiving and cooling stations.
- 469 C. Milk-bottle losses and ways to reduce them.
- 527 C. Large-scale organization in the dairy industry.

Commodity Statistics:

- 9 CS. Dairy and poultry market statistics, 1943. 15c. For sale only.

Department Bulletins:

- 1344 D. Effect of various factors on the creaming ability of market milk.

Miscellaneous Publications:

- 161 MP. Testing milk and cream.
- 409 MP. Judging dairy cattle on the basis of type and records of production.

Separates from Agricultural Statistics:

- 79 SAS. Dairy and poultry statistics. (1943.)

Technical Bulletins:

- 73 T. Some factors affecting the demand for milk and cream in the metropolitan area of New York. 15c. For sale only.
- 243 T. Transporting and handling milk in tanks. 10c. For sale only.
- 709 T. Supply responses in milk production in the Cabot-Marshfield area, Vermont. 10c. For sale only.
- 722 T. Production and consumption of manufactured dairy products.
- 750 T. Supply responses in milk production in Dodge and Barron Counties, Wis.
- 751 T. Trends in dairying by major type-of-farming regions.
- 789 T. Supply responses in milk production in southeastern Minnesota.

Diseases and Parasites: Beef and Dairy Cattle

(See also Diseases and Parasites: Livestock—General)

Circulars:

- 154 C. Anaplasmosis in cattle.
- 306 C. Trembles (or milk sickness).
- 438 C. Lumpy jaw, or actinomycosis.
- 514 C. Differential staining of sections of unpreserved bovine udder tissue affected with mastitis.
- 614 C. Internal parasites of cattle.
- 672 C. The Hotis test for the detection of mastitis bacteria in milk.

Publications are free in limited amounts unless priced. Do not send remittances to the U. S. Department of Agriculture. See page 3.

Farmers' Bulletins:

1017 F. Cattle scab and methods of control and eradication.
 1355 F. Blackleg: Its nature, cause, and prevention.
 1422 F. Udder diseases of dairy cows.
 1625 F. Tick fever.
 1736 F. Anthrax.
 1871 F. Brucellosis of cattle (Bang's disease, infectious abortion).

Leaflets:

75 L. Warts on cattle.

Miscellaneous Publications:

59 MP. Reliability of the tuberculin test.
 384 MP. Benefits of eradicating Bang's disease.

Technical Bulletins:

522 T. Incomplete milking in relation to milk production and udder troubles in dairy cows.
 884 T. A study of the effectiveness of sulfonamide preparations in the elimination of bovine mastitis.

Unnumbered:

Special report on diseases of cattle. 1942. \$1.75. For sale only.

Posters:

Blackleg. 16 by 20 inches. Black and white.
 Bovine mastitis (garget, mammitis, caked udder). 16 by 20 inches. Black and white.
 Help eradicate scabies. 14 by 19 inches. Colored.

Insects: Beef and Dairy Cattle
 (See also Insects: Livestock—General)

Agricultural War Information Series:

109 AWI. Cattle grub control.

Farmers' Bulletins:

909 F. Cattle lice and how to eradicate them.
 1057 F. Cattle-fever ticks and methods of eradication.
 1596 F. Cattle grubs or heel flies with suggestions for their control.
 1625 F. Tick fever.

Leaflets:

51 L. Improving cattle in areas freed of ticks.
 5c. For sale only.
 205 L. The horn fly and its control.

Miscellaneous Publications:

2 MP. The story of the cattle-fever tick: What every southern child should know about cattle ticks. 10c. For sale only.

Technical Bulletins:

500 T. Biology of the primary screwworm fly, *Cochliomyia americana*, and a comparison of its stages with those of *C. maculipennis*. 10c. For sale only.

GOATS

(See also Livestock—General)

Farmers' Bulletins:

- 920 F. Milk goats.
- 1203 F. The Angora goat.

Yearbook Separates:

- 1600 Y. Breeding goats. (1937.) 10c. For sale only.

Diseases and Parasites: Goats

Farmers' Bulletins:

- 1943 F. Diseases of sheep and goats.

Yearbook Separates:

- 1890 Y. Diseases and parasites of sheep and goats.

Insects: Goats

Leaflets:

- 13 L. Sheep and goat lice: Methods of control and eradication.

Products: Goats

Technical Bulletins:

- 671 T. Composition and properties of goat's milk as compared with cow's milk.
- 800 T. The effect of pasteurization on some constituents and properties of goats' milk.

HOGS

(See also Livestock—General)

Agricultural War Information Series:

- 68 AWI. Smokehouses and hog slaughtering equipment.

Circulars:

- 532 C. Production of hogs suitable for Wiltshire sides.
- 570 C. Influence of inbreeding and other factors on litter size in Chester White swine.
- 698 C. Influence of type of hog on production efficiency.
- 701 C. Hog-housing requirements.

Department Bulletins:

- 1492 D. Some results of soft-pork investigations, II.

Farmers' Bulletins:

- 614 F. A Corn-Belt farming system which saves harvest labor by hogging-down crops. 5c. For sale only.
- 1186 F. Pork on the farm: Killing, curing and canning.
- 1263 F. Breeds of swine.
- 1357 F. Castration of hogs.
- 1437 F. Swine production.
- 1455 F. Fitting, showing, and judging hogs.
- 1487 F. Practical hog houses.
- 1490 F. Hog-lot equipment.
- 1504 F. Self-feeding versus hand-feeding sows and litters.

Technical Bulletins:

413 T. Effect of quantity and kinds of feed on economy of gains and body composition of hogs. 5c. For sale only.
 836 T. Litter size and weight as permanent characteristics of sows.

Diseases and Parasites: Hogs

(See also Diseases and Parasites: Livestock—General)

Farmers' Bulletins:

781 F. Tuberculosis of hogs.
 834 F. Hog cholera: Prevention and treatment.
 1787 F. Internal parasites of swine.
 1914 F. Diseases of swine.

Leaflets:

5 L. The prevention of roundworms in pigs.
 34 L. Trichinosis: A disease caused by eating raw pork.
 102 L. Eradicating tuberculosis from poultry and swine.
 108 L. Controlling kidney worms in swine in the Southern States.
 118 L. Controlling lungworms of swine.

Technical Bulletins:

437 T. Development of the swine nematode, *Strongyloides ransomi*, and the behavior of its infective larvae.

Yearbook Separates:

1163 Y. Hog cholera serum is greatly improved by pasteurizing process. 5c. For sale only.
 1889 Y. Diseases and parasites of swine.

Posters:

Free your swine and poultry from tuberculosis. 6½ by 8½ inches. Black and white.
 Hog cholera. 16 by 20 inches. Black and white.
 Roundworm control and better pigs. 15 by 20 inches. Black and white.
 The kidney worm: A serious obstacle to swine production in the South. 15 by 20 inches. Colored.
 Trichinosis. 16 by 20 inches. Black and white.

Insects: Hogs

(See also Insects: Livestock—General)

Farmers' Bulletins:

1085 F. Hog lice and hog mange: Methods of control and eradication.

Products: Hogs

(See also Products: Livestock—General)

Agricultural War Information Series:

68 AWI. Smokehouses and hog slaughtering equipment.
 108 AWI. Curing pork country style.

Department Bulletins:

1492 D. Some results of soft-pork investigation, II.

Publications are free in limited amounts unless priced. Do not send remittances to the U. S. Department of Agriculture. See page 3.

Farmers' Bulletins:

1186 F. Pork on the farm: Killing, curing, and canning.

Posters:

Pork—A savory nourishing food. 11 by 13½ inches. Colored.

Marketing: Hogs

(See also Marketing: Livestock and Products)

Circulars:

569 C. Market classes and grades of swine.

Department Bulletins:

1440 D. Factors affecting the price of hogs.

Miscellaneous Circulars:

57 MC. The tattoo method of marking hogs and its use.

Separates from Agricultural Statistics:

55 SAS. Statistics of beef cattle, hogs, sheep, horses, and mules. (1941.)

78 SAS. Statistics of beef cattle, hogs, sheep, horses, and mules. (1943.)

Technical Bulletins:

826 T. Controlling corn and hog supplies and prices. 15c. For sale only.

Charts:

Wholesale and retail cuts of beef, veal, lamb, and fresh pork. Set of 4 charts. 16 by 24 inches. Colored.

Posters:

U. S. grades of slaughter swine. 21 by 38 inches. Black and white.

HORSES

(See also Livestock—General)

BAE-Ext. Fliers:

6 BAE-Ext. Farm horses and mules will help win.

Farmers' Bulletins:

619 F. Breeds of draft horses.

779 F. How to select a sound horse.

803 F. Horse-breeding suggestions for farmers.

952 F. Breeds of light horses.

1030 F. Feeding horses.

1368 F. Breaking and training colts.

1419 F. Care and management of farm work horses.

1535 F. Farm horseshoeing.

Technical Bulletins:

661 T. Rearing foals and lambs by the use of colostrum, blood serum, and substitute milks. 10c. For sale only.

Diseases and Parasites: Horses

(See also Diseases: Livestock—General)

Circulars:

148 C. Parasites and parasitic diseases of horses.

Publications are free in limited amounts unless priced. Do not send remittances to the U. S. Department of Agriculture. See page 3.

Farmers' Bulletins:

1146 F. Dourine of horses.
 1819 F. Infectious anemia (swamp fever).

Yearbook Separates:

1887 Y. Common diseases and parasites of horses and mules. 20c. For sale only.
 Separate from 1887 Y. Equine encephalomyelitis.

Unnumbered:

Special report on diseases of the horse. 1942. \$1.75.
 For sale only.

Posters:

Infectious anemia. 16 $\frac{1}{4}$ by 20 inches. Black and white.
 Infectious encephalomyelitis: A disease of horses and mules. 16 by 20 inches. Black and white.

Insects: Horses

(See also Insects: Livestock—General)

Farmers' Bulletins:

1503 F. The horse bots and their control.

Marketing: Horses**Separates from Agricultural Statistics:**

55 SAS. Statistics of beef cattle, hogs, sheep, horses, and mules. (1941.)
 78 SAS. Statistics of beef cattle, hogs, sheep, horses, and mules. (1943.)

MULES

(See also Livestock—General)

BAE-Ext. Fliers:

6 BAE-Ext. Farm horses and mules will help win.

Farmers' Bulletins:

1341 F. Mule production.

Diseases and Parasites: Mules**Farmers' Bulletins:**

1819 F. Infectious anemia (swamp fever).

Yearbook Separates:

1887 Y. Common diseases and parasites of horses and mules. 20c. For sale only.

Posters:

Infectious anemia. 16 $\frac{1}{4}$ by 20 inches. Black and white.
 Infectious encephalomyelitis: A disease of horses and mules. 16 by 20 inches. Black and white.

Marketing: Mules**Separates from Agricultural Statistics:**

55 SAS. Statistics of beef cattle, hogs, sheep, horses, and mules. (1941.)
 78 SAS. Statistics of beef cattle, hogs, sheep, horses, and mules. (1943.)

SHEEP

(See also Livestock—General)

Circulars:

- 538 C. Some factors affecting survival, growth, and selection of lambs.
- 541 C. Estimating weights of lambs at a constant age.
- 543 C. Two rapid methods for estimating fineness and cross-sectional variability of wool.
- 580 C. Some factors affecting the progeny testing of rams.
- 624 C. Sheep migration in the Intermountain Region.
- 691 C. Management of sheep on range infested with orange sneezeweed.

Farmers' Bulletins:

- 576 F. Breeds of sheep for the farm.
- 810 F. Equipment for farm sheep raising.
- 840 F. Farm sheep raising for beginners.
- 1134 F. Castrating and docking lambs.
- 1181 F. Raising sheep on temporary pastures.
- 1199 F. Judging sheep.
- 1268 F. Sheep-killing dogs.
- 1632 F. Karakul sheep.
- 1710 F. Range sheep production.

Technical Bulletins:

- 600 T. The influence of climate and grazing on spring-fall sheep range in southern Idaho.
- 661 T. Rearing foals and lambs by the use of colostrum, blood serum, and substitute milks. 10c. For sale only.

Yearbook Separates:

- 1398 Y. Sheep raising in U. S. has changed greatly since pioneer period. (1933.)
- 1697 Y. The relation of nutrition to the production of hides and wool. (1939.)
- 1711 Y. Feeding problems with sheep. (1939.)

Diseases and Parasites: Sheep

(See also Diseases: Livestock—General)

Farmers' Bulletins:

- 713 F. Sheep scab.
- 798 F. The sheep tick and its eradication by dipping.
- 1330 F. Parasites and parasitic diseases of sheep.
- 1943 F. Diseases of sheep and goats.

Leaflets:

- 228 L. Nodular worm disease of sheep.

Technical Bulletins:

- 580 T. Toxicity of arrow-grass for sheep and remedial treatment.
- 875 T. Effects of experimental nodular worm (*Oseophagostomum columbianum*) infection in sheep.

Yearbook Separates:

- 1890 Y. Diseases and parasites of sheep and goats.

Publications are free in limited amounts unless priced. Do not send remittances to the U. S. Department of Agriculture. See page 3.

Posters:

Help eradicate scabies. 14 by 19 inches. Colored.
 Nodular worm infestation of sheep. 16 by 20 inches.
 Black and white.
 Stomach worm infestation of sheep. 16 by 20 inches.
 Black and white.

Insects: Sheep

(See also Insects: Livestock—General)

Farmers' Bulletins:

798 F. The sheep tick and its eradication by dipping.

Leaflets:

13 L. Sheep and goat lice: Methods of control and eradication.

Products: Sheep

(See also Products: Livestock—General)

Circulars:

654 C. Cross-section area method for determining density of wool fibers.

Farmers' Bulletins:

1807 F. Lamb and mutton on the farm.

Technical Bulletins:

790 T. Wool characteristics in relation to Navajo weaving.

Marketing: Sheep and Products

(See also Marketing: Livestock and Products)

Circulars:

383 C. Market classes and grades of lambs and sheep.
 543 C. Two rapid methods for estimating fineness and cross-sectional variability of wool.
 590 C. A rapid method for projecting and measuring cross sections of wool fibers.
 604 C. Trading in wool top futures.
 654 C. Cross-section-area method for determining density of wool fibers.
 680 C. Sampling fleeces for determining average wool fineness.

Commodity Statistics:

3 CS. Livestock, meats, and wool market statistics and related data, 1942. 25c. For sale only.
 8 CS. Livestock, meats, and wool market statistics and related data, 1943.

Leaflets:

92 L. Preparing wool for market.
 122 L. U. S. graded and stamped meat.

Separates from Agricultural Statistics:

55 SAS. Statistics of beef cattle, hogs, sheep, horses, and mules. (1941.)
 78 SAS. Statistics of beef cattle, hogs, sheep, horses, and mules. (1943.)

Charts:

Wholesale and retail cuts of beef, veal, lamb, and fresh pork. Set of 4 charts. 16 by 24 inches. Colored.

Posters:

U. S. grades of slaughter lambs. 21 by 38 inches. Black and white.

POULTRY**Agricultural War Information Series:**

48 AWI. Wartime feed mixtures for chickens.

Circulars:

- 446 C. Poultry management in subtropical, semi-arid climates. 5c. For sale only.
- 525 C. Artificial insemination of chickens and turkeys.
- 715 C. Poultry-breeding-stock selection for desired characters.

Farmers' Bulletins:

- 684 F. Squab raising.
- 697 F. Duck raising.
- 767 F. Goose raising.
- 849 F. Capons and caponizing.
- 1373 F. Homing pigeons: Their care and training.
- 1391 F. The guinea fowl.
- 1409 F. Turkey raising.
- 1506 F. Standard breeds and varieties of chickens:
 - I. American, Asiatic, English, and Mediterranean classes.
- 1507 F. Standard breeds and varieties of chickens:
 - II. Continental European, Oriental, and miscellaneous classes.
- 1508 F. Poultry keeping in back yards.
- 1524 F. Farm poultry raising.
- 1538 F. Incubation and brooding of chickens.
- 1554 F. Poultry houses and fixtures.
- 1614 F. Business records for poultry keepers.
- 1727 F. Selecting hens for egg production.
- 1841 F. The feeding of chickens.

Leaflets:

- 233 L. Selecting breeding stock for broiler production.

Miscellaneous Publications:

- 127 MP. Peafowl and their care.
- 300 MP. The National Poultry Improvement Plan.
- 317 MP. Improving poultry through the National Poultry Improvement Plan.
- 368 MP. Federal poultry research at the Agricultural Research Center, Beltsville, Md.
- 539 MP. Directory of U. S. Register of Merit sires and dams qualifying under the National Poultry Improvement Plan. 10c. For sale only.
- 555 MP. The National Poultry Improvement Plan.

Technical Bulletins:

- 553 T. Effect of temperature, humidity, and other factors on hatch of hen's eggs and on energy metabolism of chick embryos.
- 632 T. Loss, during storage, of vitamin A from alfalfa leaf meals fed to chickens.

Posters:

A guide to quality poultry. 14 by 20 inches. Colored. Standard-bred poultry pays best. 10½ by 15½ inches. Colored.

Diseases and Parasites: Poultry**Circulars:**

628 C. Fowl paralysis.

Farmers' Bulletins:

1652 F. Diseases and parasites of poultry.

Leaflets:

102 L. Eradicating tuberculosis from poultry and swine.

207 L. Controlling gapeworms in poultry.

Miscellaneous Publications:

349 MP. Use of the rapid whole-blood test for pullorum disease.

Technical Bulletins:

679 T. Studies on the development of the pigeon capillarid, *Capillaria columbae*.

Posters:

Free your poultry flock of tuberculosis. 5 by 8 inches. Black and white.

Free your swine and poultry from tuberculosis. 6½ by 8½ inches. Black and white.

Gapeworms. 16 by 20 inches. Black and white.

Pullorum disease (formerly called bacillary white diarrhea): A disease of chickens, occasionally affecting turkeys. 16 by 20 inches. Black and white.

Insects: Poultry**Farmers' Bulletins:**

801 F. Mites and lice on poultry.

1070 F. The fowl tick and how premises may be freed from it.

Marketing: Poultry and Products**Circulars:**

583 C. Eggs and egg products.

Commodity Statistics:

9 CS. Dairy and poultry market statistics, 1943. 15c. For sale only.

Farmers' Bulletins:

1377 F. Marketing poultry.

1378 F. Marketing eggs.

1694 F. Dressing and packing turkeys for market.

1815 F. Grading dressed turkeys.

Separates from Agricultural Statistics:

79 SAS. Dairy and poultry statistics. (1943.)

Technical Bulletins:

768 T. Quality of frozen poultry as affected by storage and other conditions.

SMALL ANIMALS
(See also Wildlife)

Farmers' Bulletins:

1268 F. Sheep-killing dogs.
1491 F. Breeds of dogs. 5c. For sale only.

Technical Bulletins:

765 T. Effect of crossing inbred lines of guinea pigs. 5c. For sale only.

Yearbook Separates:

1715 Y. Nutritional requirements of dogs. (1939.)
1716 Y. Feeding dogs. (1939.)

Diseases and Parasites: Small Animals

Farmers' Bulletins:

449 F. Rabies or hydrophobia.

Yearbook Separates:

1892 Y. Common diseases and parasites of dogs and cats.

Separate from 1892 Y. Rabies and its control.

Insects: Small Animals

Farmers' Bulletins:

980 F. The spinose ear tick and methods of treating infested animals.

Products: Small Animals

Farmers' Bulletins:

1334 F. Home tanning of leather and small fur skins.

CHARTS—MAPS—POSTERS

(See also Bureau List: Bureau of Agricultural Economics, Forest Service, and Rural Electrification Administration.)

ANIMALS

Beef Grading Charts:

No. 1. Beef graded and stamped by U. S. Government graders. (Hind quarter.) 12 by 16 inches. Colored.
No. 2. Beef graded and stamped by U. S. Government graders. (Fore quarter.) 12 by 16 inches. Colored.
No. 3. Steaks and roasts from U. S. Government graded beef. 12 by 16 inches. Colored.

Livestock Health Series:

Anthrax: A disease affecting principally cattle, horses, and sheep, transmissible also to other species and very dangerous to man. 16 by 20 inches. Black and white.

Blackleg. 16 by 20 inches. Black and white.

Bovine mastitis (garget, mammitis, caked udder). 16 by 20 inches. Black and white.

Gapeworms. 16 by 20 inches. Black and white.

Hog cholera. 16 by 20 inches. Black and white.

Livestock Health Series—Continued.

Infectious anemia: A disease affecting horses, mules, and asses. 16 by 20 inches. Black and white.

Infectious encephalomyelitis: A disease of horses and mules. 16 by 20 inches. Black and white.

Nodular worm infestation of sheep. 16 by 20 inches. Black and white.

Pullorum disease (formerly called bacillary white diarrhea): A disease of chickens, occasionally affecting turkeys. 16 by 20 inches. Black and white.

Stomach worm infestation of sheep. 16 by 20 inches. Black and white.

Trichinosis. 16 by 20 inches. Black and white.

Livestock-Improvement Series:

No. 1. Judging dairy cows at a community picnic. 11 $\frac{1}{4}$ by 14 $\frac{3}{4}$ inches. Black and white.

No. 2. Spirit and strength in horseflesh. 11 $\frac{1}{4}$ by 14 $\frac{3}{4}$ inches. Black and white.

No. 3. Mutton in the making. 11 $\frac{1}{4}$ by 14 $\frac{3}{4}$ inches. Black and white.

No. 4. No hunger strike here (pigs). 11 $\frac{1}{4}$ by 14 $\frac{3}{4}$ inches. Black and white.

No. 5. Feeding her flock of White Wyandottes. 11 $\frac{1}{4}$ by 14 $\frac{3}{4}$ inches. Black and white.

No. 6. An accredited dairy herd. 11 $\frac{1}{4}$ by 14 $\frac{3}{4}$ inches. Black and white.

No. 7. Angora goats. 11 $\frac{1}{4}$ by 14 $\frac{3}{4}$ inches. Black and white.

No. 8. Castor, versatile Morgan horse. 11 $\frac{1}{4}$ by 14 $\frac{3}{4}$ inches. Black and white.

No. 9. Growing into the beef business. 11 $\frac{1}{4}$ by 14 $\frac{3}{4}$ inches. Black and white.

No. 10. They'll pull you through (mules). 11 $\frac{1}{4}$ by 14 $\frac{3}{4}$ inches. Black and white.

No. 11. Guarding his master's flock (dog). 11 $\frac{1}{4}$ by 14 $\frac{3}{4}$ inches. Black and white.

Posters:

A guide to quality poultry. 14 by 20 inches. Colored.

Foot-and-mouth disease. 13 by 18 inches. Colored.

Free your swine and poultry from tuberculosis. 6 $\frac{1}{2}$ by 8 $\frac{1}{2}$ inches. Black and white.

Help eradicate scabies. 14 by 19 inches. Colored.

Roundworm control and better pigs. 15 by 20 inches. Black and white.

Standardbred poultry pays best. 10 $\frac{1}{8}$ by 15 $\frac{1}{4}$ inches. Colored.

The kidney worm: A serious obstacle to swine production in the South. 15 by 20 inches. Colored.

U. S. grades of slaughter cows. 21 by 33 inches. Colored.

U. S. grades of slaughter heifers. 21 by 38 inches. Colored.

U. S. grades of slaughter lambs. 21 by 38 inches. Black and white.

U. S. grades of slaughter steers. 21 by 38 inches. Black and white.

U. S. grades of slaughter swine. 21 by 38 inches. Black and white.

CLOTHING

Charts:

Clothing selection. Set of 9 charts, 20 by 30 inches. Black and white. Sold in sets only. 40c a set. For sale only.

1. Cloth coats for women.
2. Wash dresses for women.
3. Costume slips.
4. Women's hosiery.
5. Rompers for creeping babies.
6. Little girls' dresses.
7. Little boys' suits.
8. Winter playsuits.
9. Sunsuits.

FOOD FOR FREEDOM

(Apply to the Agricultural Adjustment Agency, U. S. Department of Agriculture, Washington 25, D. C., for the following posters.)

Posters:

Bigger yields. 20 by 28 inches. Colored.
 For the land's sake. 20 by 28 inches. Colored.
 Get your farm in the fight. 13 $\frac{1}{4}$ by 20 inches. Colored.
 Get your farm in the fight. 18 $\frac{3}{4}$ by 28 inches. Colored.
 Grow more sugar beets in 1945. 20 by 28 inches. Colored.
 Harvest legumes and grass seed. 20 by 28 inches.
 Colored.
 He eats a ton a year. 14 $\frac{1}{4}$ by 20 inches. Colored.
 How green is my pasture. 20 by 28 inches. Colored.
 Produce more milk for him. 20 by 28 inches. Colored.
 Use phosphate and lime—it pays. 20 by 28 inches.
 Colored.
 Victory patterns . . . in the air . . . on the land. 14 $\frac{1}{4}$ by 20 inches. Colored.

FOODS

Posters:

Make America strong. Set of 13 posters, 20 by 25 inches. Black and white. Sold in sets only. 75c a set. For sale only.

1. You can help make America strong.
2. Millions now don't get the food they need.
3. Some can't buy, some don't know, some don't try.
4. There's danger—when people tire too easily, when minds are slow to think, when bodies can't fight disease.
5. These breed danger—meals that are too meager, meals poorly prepared, meals low in protective foods.
6. These build strength—meals that are ample, meals well prepared, meals rich in protective foods.
7. You can use the land you have to grow the foods you need.
8. You can learn best ways to can and store the foods you need.
9. You can plan and prepare balanced meals for your family.
10. Your community can sponsor a school lunch program for its children.
11. Your community can use many ways to teach family food needs.

Make America Strong—Continued.

12. Your community can work for low-cost ways of selling needed foods.
13. Let's get to work to make Americans strong.

Charts:

Child feeding. Set of 8 charts. 15 by 23 inches. Black and white. Sold in sets only. 25c a set. For sale only.

1. Happy, healthy, growing (children).
2. Signs of good nutrition.
3. Right start for baby.
4. Aids to good food habits.
5. Good beginning in self-help.
6. Same menu for all.
7. Meals for three-year-old.
8. Foods for good nutrition.

Fight food waste in the home. Set of 10 picture charts. 14½ by 20 inches. Black and red on white. Sold in sets only. 25c a set. For sale only.

1. Introductory chart.
2. Milk and eggs.
3. and 4. Meat, poultry, fish.
5. Oil or fat.
6. Fresh vegetables.
7. Fresh fruit.
8. Vegetables and fruit.
9. Bread, cake, and cookies.
10. Sugar, flour, cereal, spice, and canned foods.

Get acquainted with soya flour and grits. Set of 4 illustrated charts. 14½ by 20 inches. Colored. 20c a set. For sale only.

Get the good from your food. Set of 10 picture charts. 14½ by 20 inches. Black and red on white. Sold in sets only. 25c a set. For sale only.

1. Introductory chart.
2. Fruit.
- 3, 4, and 5. Vegetables.
6. and 7. Meat.
8. Poultry.
9. Eggs.
10. Fats.

Home canning. Set of 20 picture charts. 14½ by 20 inches. Green and orange on white. Sold in sets only. 50c a set. For sale only.

1. Introductory chart.
2. Equipment for water bath.
3. Jars, caps, rubbers.
4. and 5. Selection and preparation of tomatoes for canning.
6. Packing tomatoes in jars.
7. Sealing jars of tomatoes.
8. Jars of tomatoes in and out of boiling water bath.
9. Selection and preparation of peaches.
10. Adding sugar to peaches.
11. Filling jars with peaches and sealing.
12. Processing peaches in boiling water bath.

Home Canning—Continued.

- 13 and 14. Selection and preparation of string beans for canning.
15. Packing string beans in jars and sealing.
16. Processing beans in pressure canner.
17. Taking beans out of pressure canner.
18. Testing, labeling, storing canned foods.
19. Cartoons illustrating canning don'ts.
20. Canning time table.

Meat Cooking. Set of 7 charts. 20 by 30 inches. Black and white. Sold in sets only. 25c a set. For sale only.

1. Do you know meat cuts and cook according to cut?
2. Roasting a tender cut.
3. Stuffing low-priced tender roasts.
4. Broiling tender steaks and chops.
5. Pot-roasting a less-tender cut.
6. Braising a less-tender steak.
7. Ground meat in savory ways.

Poultry cooking. Set of 8 charts. 20 by 30 inches. Black and white. Sold in sets only. 50c a set. For sale only.

1. Cooking poultry.
2. Broiling a young bird.
3. To fry chicken.
4. Stuffing and trussing.
5. Roasting young turkey.
6. Roasting young duck.
7. Braising a fowl.
8. Stewing a fowl.

Wholesale and retail cuts of beef, veal, lamb, and fresh pork. Set of 4 charts. 16 by 24 inches. Colored.

Posters:

Do you know good beef? 14 by 20 inches. Colored.

Every child needs a good school lunch. 20 by 28 inches. Colored.

For health eat some food from each group every day. 20 by 28 inches. Colored.

For work, for play, 3 "squares" a day. 14 $\frac{1}{4}$ by 20 inches. Colored.

Lick the platter clean. 19 $\frac{3}{4}$ by 14 inches. Colored.

100-calorie portions of a few familiar foods. Shows pen and ink sketches of 20 foods. 17 by 24 inches. 10c. For sale only.

Pork—a savory, nourishing food. 11 by 13 $\frac{1}{2}$ inches. Colored.

These foods prevent pellagra. 16 by 24 inches. Colored.

FORESTRY**Posters:**

M-5159. How a tree grows. 16 by 21 inches. Colored.

Publications are free in limited amounts unless priced. Do not send remittances to the U. S. Department of Agriculture. See page 3.

Miscellaneous Material:

The following illustrated miscellaneous material, most of which consists of a single sheet, is designed to instruct vacationists, sportsmen, and others in regard to good forest usage.

M-5110A. Good manners in the forest.
 M-5138. It might have been you! The story of a forest fire.
 M-5139. Suggestions for cutting pulpwood.
 M-5142. Thinning makes trees grow faster.
 M-5154. Forest regions of the United States. 5c.
 For sale only.
 M-5201. Forest friend or enemy.
 M-5202. As nature made it—as man left it.
 M-5206. Causes of forest fires. (Bookmark.)
 M-5236. Forest fires ruin our homes too. (Bookmark.)
 M-5243. Bear in mind. (Bookmark.)
 M-5244. Plant a shelter belt. (Bookmark.)
 M-5266. Wood needed for war!
 M-5272. Be market-wise. Farm woodland owners.

HOUSEHOLD MANAGEMENT**Charts:**

It's up to you Mr. and Mrs. Homemaker to make your home equipment last. Set of 10 picture charts. 14½ by 20 inches. Blue and yellow on white. Sold in sets only. 50c a set. For sale only.

1. Introductory chart.
- 2, 3, and 4. Your cooking range.
- 5 and 6. Your refrigerator.
7. Your washing machine.
8. Your iron.
9. Your vacuum cleaner.
10. Your sewing machine.

Make your rubber last. Set of 5 posters. Black and white. Sold in sets only. 10c a set. For sale only.

INSECTS**Picture Sheets:**

No. 1. Tomato hornworms. 5¾ by 9¼ inches.
 Colored.
 No. 2. Mexican bean beetle. 5¾ by 9¼ inches. Colored.
 No. 3. Colorado potato beetle. 5¾ by 9¼ inches.
 Colored.
 No. 4. Japanese beetle. 5¾ by 9¼ inches. Colored.
 No. 5. Harlequin bug. 5¾ by 9¼ inches. Colored.
 No. 6. Gladiolus thrips. 5¾ by 9¼ inches. Colored.
 No. 7. Striped cucumber beetle. 5¾ by 9¼ inches.
 Colored. 5c. For sale only.
 No. 8. Potato leafhopper. 5¾ by 9¼ inches. Colored.
 No. 9. Imported cabbage worm. 5¾ by 9¼ inches.
 Colored. 5c. For sale only.
 No. 10. Squash borer. 5¾ by 9¼ inches. Colored.
 No. 11. Corn earworm. 5¾ by 9¼ inches. Colored.
 5c. For sale only.
 No. 12. Fall armyworm. 5¾ by 9¼ inches. Colored.
 No. 13. Tomato fruitworm. 5¾ by 9¼ inches. Colored.

Posters:

Help fight the European corn borer. 21 by 32 inches.
Colored.
Who are you workin' for, mister? 6 3/4 by 10 1/2 inches.
Colored.

LABOR**Posters:**

Food comes first. 19 3/4 by 26 1/2 inches. Colored.
Help harvest, join U. S. Crop Corps. 20 by 28 1/2 inches.
Colored.
Join Women's Land Army of the U. S. Crop Corps.
20 by 28 1/2 inches. Colored.
Pitch in and help. 20 by 28 inches. Colored.
"Those overalls are your uniform, bud." 20 by 28 1/2
inches. Colored.

MAPS**Miscellaneous Publications:**

421 MP. Atlas of climatic types in the United States,
1900-1939.
Atlas of American Agriculture: Bound volume including
section on land relief. \$17.00. For sale only.
Separates from the Atlas:
Frost and the growing season. 75c. For sale only.
Precipitation and humidity. \$1.50. For sale only.
Temperature, sunshine, and wind. \$1.60. For sale
only.
Land use adjustment areas. 30 by 40 inches. Colored.
Rural cultural regions in the United States. 30 by 40
inches. Colored.

PLANT DISEASES**Posters:**

No. 1. Potato diseases. 7 1/4 by 12 inches. Colored.
5c. For sale only.
A. Black leg, eastern type.
B, C. Alternaria tuber rot.
D. Blackleg, western type.
E. Silver scurf.
No. 2. Potato diseases. 7 1/4 by 12 inches. Colored.
5c. For sale only.
A, B. Bacterial soft rot or slimy soft rot.
C, D, E. Brown rot or southern bacterial wilt.
F, G. Sclerotium rot.
No. 3. Potato injuries. 7 1/4 by 12 inches. Colored. 5c.
For sale only.
A, B. Chemical injury.
C, D, E. Black-heart.
F. Greening or sunburn.
G. Enlarged lenticels.
No. 4. Potato injuries. 7 1/4 by 12 inches. Colored. 5c.
For sale only.
A. Freezing injury, general type.
B. Freezing necrosis.
C. Internal brown spot.
D. Heat and drought necrosis.
E. Net necrosis.
No. 5. Potato diseases. 7 1/4 by 12 inches. Colored. 5c.
For sale only.
A, B, C. Fusarium tuber rot, wet type.

Posters—Continued.

No. 6. Potato diseases. $7\frac{1}{4}$ by 12 inches. Colored. 5c.
For sale only.
A. Fusarium tuber rot. (*Fusarium radiciola*.)
B, C, D. Fusarium tuber rot. (*Fusarium trichothecoides*.)

No. 7. Potato diseases. $7\frac{1}{4}$ by 12 inches. Colored. 5c.
For sale only.
A, B. Fusarium stem-end rot.
C. Jelly end rot.
D, E. Fusarium wilt.

No. 8. Potato injuries. $7\frac{1}{4}$ by 12 inches. Colored. 5c.
For sale only.
A. Hollow heart.
B. Growth cracks.
C. Mechanical injury and immaturity.
D. Second growth, knobbiness, and immaturity.

No. 9. Potato diseases. $7\frac{1}{4}$ by 12 inches. Colored. 5c.
For sale only.
A, B, D, E. Late blight tuber rot, shallow lesion type.
C, F. Late blight tuber rot, deep soft lesion type in southern stock.

No. 10. Potato diseases. $7\frac{1}{4}$ by 12 inches. Colored. 5c.
For sale only.
A, B. Scald caused by exposure to sun after digging.
C, D. Leak (*Pythium* species).

No. 11. Potato diseases. $7\frac{1}{4}$ by 12 inches. Colored. 5c.
For sale only.
A, B. Wart.
C, D. Powdery scab.

No. 12. Potato diseases. $7\frac{1}{4}$ by 12 inches. Colored. 5c.
For sale only.
A. Scab, early stage, mild type.
B. Scab, late, severe type.
C. Black scurf.
D. Russet scab.

No. 13. Potato injuries. $7\frac{1}{4}$ by 12 inches. Colored. 5c.
For sale only.
A, B. Flea-beetle injury.
C. Nematode injury.
D, E. Tuber-moth injury.

No. 14. Corn diseases. $7\frac{1}{4}$ by 12 inches. Colored. 5c.
For sale only.
A. Diplodia seedling blight.
B. Gibberella seedling blight.

No. 15. Corn diseases. $7\frac{1}{4}$ by 12 inches. Colored. 5c.
For sale only.
A, B. Healthy germinating kernels.
C, D, E. Germinating kernels infected with *Cephalosporium*.
F, G, H. Germinating kernels infected with *Fusarium*.

No. 16. Tomato diseases. $7\frac{1}{4}$ by 12 inches. Colored. 5c.
For sale only.
A. Anthracnose rot.
B. Ring rot.
C. Phoma rot, early stage.
D, E. Phoma rot, late stages.

Posters—Continued.

No. 17. Tomato diseases. $7\frac{1}{4}$ by 12 inches. Colored. 5c.
For sale only.
A. Bacterial spot, very early stage.
B, C. Bacterial spot, medium and late stages.
D, E. Bacterial canker.

No. 18. Tomato diseases. $7\frac{1}{4}$ by 12 inches. Colored. 5c.
For sale only.
A, B. Blossom-end rot.
C. Catface.
D. Growth cracks.
E. Skin checks and cracks.

No. 19. Tomato diseases. $7\frac{1}{4}$ by 12 inches. Colored. 5c.
For sale only.
A, B, C. Late blight rot.
D, E, F. Buckeye rot.

No. 20. Tomato diseases. $7\frac{1}{4}$ by 12 inches. Colored. 5c.
For sale only.
A, B, C. Green mold rot.
D. Rhizopus rot.

No. 21. Tomato diseases. $7\frac{1}{4}$ by 12 inches. Colored. 5c.
For sale only.
A, B. Nailhead spot, early stages.
C, D, E. Nailhead spot, medium and late stages.

No. 22. Tomato diseases. $7\frac{1}{4}$ by 12 inches. Colored. 5c.
For sale only.
A, B. Sulphur dioxide injury.
C, D, E. Streak.

No. 23. Tomato diseases. $7\frac{1}{4}$ by 12 inches. Colored. 5c.
For sale only.
Soil rot, various stages.

No. 24. Tomato diseases. $7\frac{1}{4}$ by 12 inches. Colored. 5c.
For sale only.
A. Sun scald.
B. Alternaria rot.
C. Sun scald followed by bacterial soft rot.
D. Fusarium rot.
E. Soil rot, early stage on green fruit.

No. 25. Pepper diseases. $7\frac{1}{4}$ by 12 inches. Colored. 5c.
For sale only.
A. Rhizopus rot.
B. Bacterial spot.
C, D, E. Anthracnose, various stages.

No. 26. Eggplant diseases. $7\frac{1}{4}$ by 12 inches. Colored. 5c.
For sale only.
Fruit rot.

No. 47. Plum diseases. $7\frac{1}{4}$ by 12 inches. Colored. 5c.
For sale only.
A, B, C, D. Drought injury of prune.
E. Rhizopus rot of plum.

No. 51. Cabbage diseases. $7\frac{1}{4}$ by 12 inches. Black and white. 5c. For sale only.
Black rot (caused by the bacterium, *B. campestris*).

No. 54. Radish and turnip diseases. $7\frac{1}{4}$ by 12 inches. Black and white. 5c. For sale only.
A. Black root of radish.
B. Downy mildew discoloration of turnip root.

Posters—Continued.

No. 57. Melon diseases. $7\frac{1}{4}$ by 12 inches. Colored. 5c.
For sale only.
Various decays following low-temperature breakdown
of Honey Dew melon.
(Large black area, alternaria rot; small scattered
black spots, cladosporium rot; greenish blue spots,
blue-mold rot; red spots, fusarium rot.)

No. 58. Squash diseases. $7\frac{1}{4}$ by 12 inches. Colored. 5c.
For sale only.
Rhizopus rot.

No. 59. Watermelon diseases. $7\frac{1}{4}$ by 12 inches. Colored.
5c. For sale only.
Anthracnose.

No. 60. Watermelon diseases. $7\frac{1}{4}$ by 12 inches. Colored.
5c. For sale only.
Stem-end rot.

No. 61. Grape diseases. $7\frac{1}{4}$ by 12 inches. Colored. 5c.
For sale only.
A. Gray-mold rot on Zinfandel.
B, C, D, E. Various stages of black rot on Concord.

No. 62. Grape injuries. $7\frac{1}{4}$ by 12 inches. Colored. 5c.
For sale only.
A. Sulphur injury on upper part of a bunch of
Emperor.
B, C. Sulphur injury on Emperor.

No. 64. Strawberry diseases. $7\frac{1}{4}$ by 12 inches. Colored.
5c. For sale only.
Rhizopus rot.

No. 65. Bean diseases. $7\frac{1}{4}$ by 12 inches. Colored. 5c.
For sale only.
A. Anthracnose.
B. Common bacterial wilt.
C. Halo blight.
D. Soil rot of lima bean.
E. Scab of lima bean.
F. Soil rot.
G. Russetting.

No. 66. Pea diseases. $7\frac{1}{4}$ by 12 inches. Colored. 5c.
For sale only.
A. Pod spot.
B. Bacterial blight.
C, D. Downy mildew.
E. Scab.

No. 67. Parsnip and carrot diseases. $7\frac{1}{4}$ by 12 inches.
Colored. 5c. For sale only.
A. Parsnip gray mold rot.
B. Carrot black rot.
C, D. Carrot watery soft rot.

No. 68. Celery diseases. $7\frac{1}{4}$ by 12 inches. Colored. 5c.
For sale only.
A. Early blight.
B, C. Late blight.

No. 69. Celery diseases. $7\frac{1}{4}$ by 12 inches. Colored. 5c.
For sale only.
A, B. Bacterial soft rot.
C. Watery soft rot.

Posters—Continued.

No. 70. Lettuce diseases. $7\frac{1}{4}$ by 12 inches. Colored. 5c.
For sale only.
A, B. Downy mildew.
C, D. Brown blight.

No. 71. Lettuce diseases. $7\frac{1}{4}$ by 12 inches. Colored. 5c.
For sale only.
Tipburn.

No. 72. Spinach diseases. $7\frac{1}{4}$ by 12 inches. Colored. 5c.
For sale only.
A, B. Downy mildew, upper and lower surfaces of leaves.
C, D. Bacterial soft rot, medium and advanced stages.

No. 73. Sweetpotato diseases. $7\frac{1}{4}$ by 12 inches. Colored. 5c. For sale only.
Black rot, various stages of decay.

SOIL CONSERVATION**Conservation Charts:**

Free distribution is restricted to schools, libraries, teachers, and agricultural workers engaged in educational activities. Free copies will not be sent to personal addresses.

GENERAL

No. 3. Strip cropping—an erosion-control practice. $19\frac{1}{2}$ by $24\frac{1}{2}$ inches. Black and white.

No. 6. Gully control. $19\frac{1}{2}$ by $24\frac{1}{2}$ inches. Black and white. 5c. For sale only.

No. 7. Saving soil and water on pasture lands. $19\frac{1}{2}$ by $24\frac{1}{2}$ inches. Black and white. 5c. For sale only.

No. 8. Trees and shrubs for erosion control. $19\frac{1}{2}$ by $24\frac{1}{2}$ inches. Black and white.

No. 10. Farm ponds. $19\frac{1}{2}$ by $24\frac{1}{2}$ inches. Black and white.

No. 35. The tree and the soil. 16 by 21 inches. Black and white.

PACIFIC REGION

(California, Idaho, Nevada, Oregon and Washington)

No. 27. Trees conserve soil and water. 19 by 24 inches. Black and white.

UPPER MISSISSIPPI REGION

(Illinois, Indiana, Iowa, Kentucky, Michigan, Minnesota, Ohio and Wisconsin)

No. 11. Soil management program for cropland. 36 by 36 inches. Black and white.

No. 12. Effect of cropping plan on soil losses. 36 by 36 inches. Black and white.

No. 13. Story of three cornfields and the soil they lost per acre each year. 36 by 36 inches. Black and white.

No. 14. Improved pastures safeguard soil—produce more protein. 36 by 36 inches. Black and white.

No. 15. Financial insecurity follows erosion of the soil. 36 by 36 inches. Black and white.

No. 16. Erosion control starts with an inventory of farm resources. 36 by 36 inches. Black and white.

No. 17. Soil conservation calls for long-time planning. 36 by 36 inches. Black and white.

No. 18. Locust reclaims gullied area within three growing seasons. 13 by 19 inches. Black and white.

No. 19. Contour furrows. $16\frac{1}{2}$ by 24 inches. Black and white.

Conservation Charts—Continued.

No. 20. Winter cover saves soil. 16½ by 22 inches. Black and white.

No. 21. Soil erosion destroyed this community. 18 by 22 inches. Black and white.

No. 28. Grassland farming for soil conservation. 19 by 24 inches. Black and white.

No. 29. Grassland agriculture is permanent. 19 by 24 inches. Black and white.

No. 30. Grass and legumes improve the rotation. 19 by 24 inches. Black and white.

No. 31. A grass economy is vital. 19 by 24 inches. Black and white.

No. 32. If protected from fire and grazing, forest cover affords many benefits. 19 by 24 inches. Black and white.

No. 33. Grazed woodland loses soil and water—Produces less timber—Yields little forage. 19 by 24 inches. Black and white.

No. 34. How badly has erosion damaged your farm. 19 by 24 inches. Black and white.

WESTERN GULF REGION

(Arkansas, Louisiana, Oklahoma, and Texas)

No. 25. Conserving range lands of the Great Plains. 19 by 24 inches. Black and white.

Posters:

Soil conservation is vital to you. 13½ by 19 inches.
Colored.

MISCELLANEOUS**Chart:**

A chronology of American agriculture, 1790-1940. 30 by 41½ inches. Black and white.

Educational Charts on Agriculture and Home Economics. 12 by 15 inches. 5 cents for single charts, or 100 charts at \$2.00. For sale only.

- 5.564. Dryness in citrus fruits.
- 5.565. Appearance and quality of citrus fruit.
- 5.80. Sweetpotatoes.
- 6.32a. Cigar tobacco.
- 6.32b. Flue-cured tobacco.
- 6.91. Buckwheat and arrowroot.
- 8.104. In days of plenty provide for the lean months.
- 8.273b. (2) The teeth and their structure. Diagrams.
- 8.274. The development of the teeth illustrated by X-rays of the jaws of children.
- 8.275. The development of the teeth illustrated by X-rays of the jaws.
- 8.276. Premature loss of temporary teeth may deform the jaws.
- 8.32. Some points in fitting dresses and blouses with set-in sleeves.

The following groups of charts are sold in sets only:

Group No. 1. Livestock—cattle and hogs. 25c a set.
For sale only.

- 1.1. Beef breeds of cattle—I.
- 1.2. Beef breeds of cattle—II.

Educational Charts—Continued.

- 1.3. Beef and dual-purpose breeds of cattle—III.
- 1.4. Breeds of hogs—I.
- 1.5. Breeds of hogs—II.
- 1.6. Hog production—I.
- 1.7. Hog production—II.

Group No. 2. Horses. 10c a set. For sale only.

- 2.1. Draft breeds of horses.
- 2.2. Light breeds of horses.

Group No. 3. Dairy. 20c a set. For sale only.

- 3.1. Dairy breeds of cattle—I.
- 3.2. Dairy breeds of cattle—II.
- 3.3. Clean milk production.
- 3.4. Creamery-butter production.
- 3.5. Making American cheddar cheese.
- 3.6. Some varieties of cheese.

Group No. 4. Sheep, goats, wool, and mohair. 15c a set. For sale only.

- 4.1. Breeds of sheep.
- 4.2. Wool production.
- 4.3. Some grades of wool.

Group No. 5. Poultry. 25c a set. For sale only.

- 5.1. Breeds of chickens—I. Chickens kept chiefly for egg production.
- 5.2. Breeds of chickens—II. Chickens kept for meat and eggs.
- 5.3. Breeds of chickens—III. Large chickens kept chiefly for meat production.
- 5.4. Varieties of turkeys.

Group No. 6. Meat identification, beef. 15c a set. For sale only.

- 6.1. Side of beef.
- 6.2. Brisket, plate, flank, and foreshank, pieces.
- 6.3. Chuck rib series, cross arm and neck pieces of beef.
- 6.4. Rump and rib cuts.
- 6.5. Steaks from loin of beef.
- 6.6. Round and hind shank cuts.
- 6.7. Grades of beef ribs and round.

Group No. 8. Cotton. 25c a set. For sale only.

- 8.1. The cotton plant.
- 8.2. Cotton production.
- 8.3. Some insect pests of cotton.
- 8.4. Some diseases of cotton.
- 8.5. Cotton improvement.
- 8.6. Marketing cotton.
- 8.7. Where cotton is grown and distributed.

Group No. 9. Textile manufacture, fabric and construction. 20c a set. For sale only.

- 9.1. Cotton manufacturing—Chart 1.
- 9.2. Cotton manufacturing—Chart 2.
- 9.3. Cotton manufacturing—Chart 3.
- 9.4. Some types of weaves.
- 9.5. Some things to remember in judging fabrics.
- 9.6. Identification of some textile fabrics.
- 9.7. Some uses of cotton and cottonseed.

Group No. 10. Corn. 15c a set. For sale only.

- 10.1. Corn and corn plants.

Educational Charts—Continued.

- 10.2. Structure of corn kernel.
- 10.3. Corn production.
- 10.4. Pests of corn.
- 10.5. Corn harvesting.
- 10.6. Seed corn.
- 10.7. The corn crop.
- Group No. 11. Small grain. 25c a set. For sale only.
 - 11.1. The wheat plant.
 - 11.2. Three small grains. (Barley, oats, rye.)
 - 11.3. Production of small grain.
 - 11.4. Harvesting small grain.
 - 11.5. Pests of small grain.
 - 11.6. Grain marketing.
 - 11.7. Rice.
- Group No. 12. Poultry marketing. 15c a set. For sale only.
 - 12.1. Tentative United States standards for fowl.
 - 12.2. Classes of dressed birds.
 - 12.3. Inspecting, packaging, and processing chicken.
 - 12.4. Methods of preparing chicken for sale or use.
 - 12.5. Picking a bird.
- Group No. 13. Insects. 30c a set. For sale only.
 - 13.1. Insect pests of fruit.
 - 13.2. Insect pests of poultry.
 - 13.3. Insect pests of trees and shrubs.
 - 13.4. Insects affecting flowers.
 - 13.5. Beneficial insects.
 - 13.6. Insects affecting man and health.
 - 13.7. Pests of corn.
 - 13.8. Pests of small grain.
 - 13.9. Some insects destructive to stored products.
 - 13.10. Pests of homes, furnishings, and clothing.
 - 13.11. Insects affecting man and health.
 - 13.12. Insect pests of poultry.
 - 13.13. Insect pests of cattle.
 - 13.14. Pests of horses, sheep, and goats.
- Group No. 14. Miscellaneous fiber plants. 10c a set. For sale only.
 - 14.1. Fiber flax.
 - 14.2. Fiber plants—I.
 - 14.3. Fiber plants—II.
- Group No. 15. The home garden. 20c a set. For sale only.
 - 15.1. Planning the home garden.
 - 15.2. Planting the garden.
 - 15.3. Garden insect pests.
 - 15.4. Diseases of vegetables.
 - 15.5. Care and harvesting of the garden.
 - 15.6. Storage of fruits and vegetables for the home.

Posters:

Save containers for re-use. 14 $\frac{1}{4}$ by 20 inches. Colored.
 Produce high grade cotton. 20 by 28 inches. Colored.

DEPARTMENT ORGANIZATION

(See also Bureau List; Agricultural Adjustment Agency; Farm Security Administration and Farm Credit Administration.)

Publications are free in limited amounts unless priced. Do not send remittances to the U. S. Department of Agriculture. See page 3.

GENERAL

Miscellaneous Publications:

3 MP. Editorial policy regarding the Journal of Agricultural Research.

220 MP. Directory of the Bureau of Entomology and Plant Quarantine, 1937.

306 MP. The Forest Products Laboratory.

312 MP. Bibliography on soil erosion and soil and water conservation.

328 MP. The service of Federal grain standards.

431 MP. Directory of organization and field activities of the Department of Agriculture, 1941.

438 MP. Employment information.

445 MP. The work of the United States Cotton Ginning Laboratory.

532 MP. To the members of the Department of Agriculture: A handbook for your information.

535 MP. Workers in subjects pertaining to agriculture in land-grant colleges and experiment stations, 1943-44.

551 MP. Patent manual for employes of the United States Department of Agriculture, 1944.

Yearbook Separates:

1731 Y. Agriculture in the World War period. (1940.) 5c. For sale only.

1779 Y. Old and new in agricultural organization. (1940.) 5c. For sale only.

Unnumbered:

Directory of the Bureau of Animal Industry, 1941. 10c. For sale only.

Directory of the Bureau of Animal Industry, 1942. 10c. For sale only.

Directory of the Bureau of Animal Industry, 1943. Thirty years of extension work.

The work of the Soil Conservation Service.

ANNUAL REPORTS

Agricultural Experiment Stations:

1940.	1942.	1944.
1941.	1943, 20c, for sale only.	

Puerto Rico Agricultural Experiment Station:

1940, 25c, for sale only.	1942, 10c, for sale only.
1941, 10c, for sale only.	1943, 10c, for sale only.

Reports of the Secretary of Agriculture:

1937.	1941.	1944.
1939, 20c, for sale only.	1942.	
1940.	1943.	

ANNUAL REPORTS OF THE CHIEFS OF—

Agricultural Adjustment Agency:

(See also under Bureau List: Agricultural Adjustment Agency.)

1944.

Agricultural Conservation and Adjustment Administration:
(See under Bureau List: Agricultural Adjustment Agency.)

Agricultural Marketing Administration:
1942, 10c, for sale only.

Agricultural Marketing Service:
1939, 10c, for sale only.
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Agricultural Research Administration:
1944.

Bureau of Agricultural Chemistry and Engineering:
1940, 10c, for sale only.
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Bureau of Agricultural Economics:
1942, 5c, for sale only.
1944.

Bureau of Agricultural Engineering:
1938, 5c, for sale only.

Bureau of Agricultural and Industrial Chemistry:
1943, 10c, for sale only. 1944.

Bureau of Animal Industry:
1940, 10c, for sale only. 1943.
1941. 1944.
1942.

Bureau of Chemistry and Soils:
1937, 10c, for sale only.

Bureau of Dairy Industry:
1941. 1943, 10c, for sale only.
1942, 10c, for sale only. 1944.

Bureau of Entomology and Plant Quarantine.
1940, 15c, for sale only. 1943.
1941, 15c, for sale only. 1944.
1942.

Bureau of Home Economics:
1941, 5c, for sale only.
1942, 5c, for sale only.

Bureau of Human Nutrition and Home Economics:
1943, 5c, for sale only. 1944.

Bureau of Plant Industry, Soils, and Agricultural Engineering:
1943, 10c, for sale only. 1944.

Commodity Credit Corporation:
1940. 1943.
1941. 1944.
1942, 10c, for sale only.

Commodity Exchange Administration:
1940, 10c, for sale only.
1941, 10c, for sale only.

Extension Service:

1933. Serving American agriculture. A report of extension work in agriculture and home economics in 1933.

1936. Meeting the challenge of agriculture. A report of extension work in agriculture and home economics in 1936.

1937. Serving farm people on many fronts. Annual report of the Extension Service, 1937.

1938. For better rural living. A report of cooperative extension work in agriculture and home economics in 1938.

1939. Leaders on the land. A report of cooperative extension work in agriculture and home economics in 1939.

1940-41. Security at the grass roots. A report of cooperative extension work in agriculture and home economics, 1940-41.

1941-42. Report of cooperative extension work in agriculture and home economics, 1941-42.

1943. Report of cooperative extension work in agriculture and home economics, 1943.

1944. Report of cooperative extension work in agriculture and home economics, 1944.

Farm Credit Administration:

(See under Bureau List: Farm Credit Administration.)

Farm Security Administration:

1941.

Federal Crop Insurance Corporation:

1941.

1942, 10c, for sale only.

Food Distribution Administration:

1943, 15c, for sale only.

Forest Service:

1943, 10c, for sale only.

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Office of Information:

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Office of Personnel:

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Office of Experiment Stations:

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1942, 5c, for sale only.

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Office of Foreign Agricultural Relations:

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1941.

Office of Plant and Operations:

1942, 5c, for sale only.

Rural Electrification Administration:

1944.

Soil Conservation Service:

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1941, 15c, for sale only. 1944.

Solicitor's Office:

1936. 1939.
1937. 1940, 10c, for sale only.
1938. 1941.

Sugar Division:

1939.

War Food Administration:

Report of the Administrator of the War Food Administration: Food Program for 1944.

BIBLIOGRAPHIES, INDEXES, AND LISTS OF PUBLICATIONS

(See also Bureau List: Farm Credit Administration)

Bibliographical Bulletins:

- 1 BIB. BUL. Bibliography on lice and man with particular reference to wartime conditions.
- 2 BIB. BUL. A summary of the literature on milkweeds (*Asclepias* spp.) and their utilization.
- 3 BIB. BUL. Bibliography on the Japanese in American agriculture.
- 4 BIB. BUL. List of bulletins of the agricultural experiment stations for the calendar years 1941 and 1942. 15c. For sale only.
- 5 BIB. BUL. Bibliography on butter oil. 10c. For sale only.

Circulars:

- 559 C. Review and discussion of literature pertinent to crop rotations for erodible soils.

Miscellaneous Publications:

- 9 MP. List of publications of the United States Department of Agriculture from January, 1901, to December, 1925, inclusive, compiled by comparison with the originals.
- 60 MP. List of available publications of the United States Department of Agriculture, January, 1945.
- 125 MP. Bibliography relating to farm structures.
- 153 MP. List of publications of the United States Department of Agriculture from January, 1926, to December, 1930, inclusive.
- 172 MP. Bibliography on land settlement with particular reference to small holdings and subsistence homesteads.
- 232 MP. List of bulletins of the agricultural experiment stations for the calendar years 1933 and 1934. 10c. For sale only.

Miscellaneous Publications:

281 MP. A selected bibliography on management of western ranges, livestock and wildlife.

294 MP. List of bulletins of the agricultural experiment stations for the calendar years 1935 and 1936. 15c. For sale only.

312 MP. Bibliography on soil erosion and soil and water conservation.

364 MP. A selected bibliography of North American forestry. (Two volumes.)

372 MP. A survey and discussion of lysimeters and a bibliography on their construction and performance.

401 MP. Geographic guide to floras of the world.

443 MP. List of publications of the United States Department of Agriculture from January, 1936, to December, 1940, inclusive, compiled by comparison with the originals.

446 MP. Publications and visual information on soil conservation.

447 MP. A bibliography on the agriculture of the American Indians.

459 MP. List of bulletins of the agricultural experiment stations for the calendar years 1939 and 1940.

506 MP. Slides of the United States Department of Agriculture.

Unnumbered:

Citations to literature in the Journal of Agricultural Research, Technical Bulletins, Circulars, and Miscellaneous Publications (other than Bibliographies).

Index to Department Bulletins Nos. 1-1500.

Index to Farmers' Bulletins Nos. 1001-1500.

Index to Farmers' Bulletins Nos. 1501-1750.

Index to publications of the United States Department of Agriculture, 1901-1925.

Index to publications of the United States Department of Agriculture, 1926-1930.

Index to publications of the United States Department of Agriculture, 1931-1935.

Index to publications of the United States Department of Agriculture, 1936-1940.

Index to Technical Bulletins 1-500.

Index to Technical Bulletins Nos. 501-750.

Index - catalogue of medical and veterinary zoology.

Part 1. Authors: AALL to AZZOLINA.

Index - catalogue of medical and veterinary zoology.

Part 2. Authors: B to BYCHKOV.

Index - catalogue of medical and veterinary zoology.

Part 3. Authors: C to CZYGAN.

Index - catalogue of medical and veterinary zoology.

Part 4. Authors: D to DZUNKOVSKI.

Index - catalogue of medical and veterinary zoology.

Part 5. Authors: E to FYNNEY.

Index - catalogue of medical and veterinary zoology.

Part 6. Authors: G to GYSER.

Land use and soil conservation: Informational material available to the public from the United States Department of Agriculture, Soil Conservation Service.

Popular publications for the farmer and homemaker.

List No. 5, 1944.

LAWS—RULES—REGULATIONS

(See also Bureau List: Office of Marketing Services and Agricultural Research Administration)

Miscellaneous Publications:

80 MP. Summary of State and Territorial plant quarantines affecting interstate shipment.

135 MP. The principal laws relating to the establishment and administration of the national forests and to other Forest Service activities.

285 MP. Federal legislation, regulations, and rulings affecting cooperative extension work in agriculture and home economics. 5c. For sale only.

515 MP. Federal legislation, rulings, and regulations affecting the State agricultural experiment stations.

Yearbook Separates:

1878 Y. Regulatory activities in animal disease control.

Unnumbered:

A standard State soil conservation district law. 10c. For sale only.

Rules and regulations of the Secretary of Agriculture under the Commodity Exchange Act. 10c. For sale only.

State legislation for better land use. 30c. For sale only.

YEARBOOKS

(For a description of the Yearbooks, see page 7.)

1933 YB. \$1.00. For sale only.

1934 YB. \$1.00. For sale only.

1935 YB. \$1.00. For sale only.

1936 YB. Better plants and animals—I. \$1.25. For sale only.

1937 YB. Better plants and animals—II. \$2.00. For sale only.

1938 YB. Soils and men. \$1.75. For sale only.

1939 YB. Food and life. \$1.50. For sale only.

1940 YB. Farmers in a changing world. \$1.50. For sale only.

1941 YB. Climate and man. \$1.75. For sale only.

1942 YB. Keeping livestock healthy. \$1.75. For sale only.

DEPARTMENT FIELD STATION WORK**Circulars:**

444 C. Yield and quality of sugar beets from various rotations at the Scotts Bluff (Nebr.) Field Station, 1930-35.

564 C. Dry land crops at the Dalhart (Texas) Field Station.

700 C. Dry land rotation and tillage experiments at the Akron (Colorado) Field Station. 10c. For sale only.

Department Bulletins:

1155 D. Rice experiments at the Biggs Rice Field Station in California. 10c. For sale only.

Miscellaneous Publications:

130 MP. Feeding and management investigations at the United States Dairy Experiment Station at Beltsville, Md., 1930 report. 5c. For sale only.

179 MP. Feeding and management investigations at the United States Dairy Experiment Station at Beltsville, Md., 1932 report.

Technical Bulletins:

316 T. Physical and chemical characteristics of the soils from the erosion experiment stations.

321 T. Reproduction and health records of the Beltsville herd of the Bureau of Dairy Industry. 5c. For sale only.

330 T. Rotation and tillage experiments at the Lawton (Okla.) Field Station, 1917-30. 5c. For sale only.

353 T. Agricultural investigations at the Huntley (Mont.) Field Station, 1927-30. 10c. For sale only.

419 T. Forage-crop field experiments at West Point, Miss.

430 T. The physical and chemical characteristics of the soils from the erosion experiment stations—second report.

454 T. Agricultural investigations at the Belle Fourche (S. Dak.) Field Station, 1926-32. 5c. For sale only.

464 T. Agricultural investigations on the Newlands (Nev.) reclamation project. 5c. For sale only.

536 T. Crop rotation and tillage experiments at the Northern Great Plains Field Station, Mandan, N. Dak.

558 T. Soil and water conservation investigations at the Soil Conservation Experiment Station, Missouri Valley Loess Region, Clarinda, Iowa. Progress report, 1931-35.

562 T. Some moisture relations of the soils from the erosion experiment stations.

701 T. Alfalfa experiments at Stoneville, Miss., 1935-37.

716 T. Investigations on the physical and chemical properties of beeswax.

718 T. Fertilizer experiments with rice in California. 10c. For sale only.

805 T. Experiments with annual crops and permanent pastures to provide grazing for dairy cows in the Sandhill region of the Southeast.

EXTENSION WORK

(See also Periodical Publications and Mailing Lists: Extension Service Review; and Charts—Maps—Posters)

Publications are free in limited amounts unless priced. Do not send remittances to the U. S. Department of Agriculture. See page 3.

Agricultural War Information Series:

29 AWI. The challenge to farm youth in 1943.
 51 AWI. 4-H and the war.

Department Bulletins:

1384 D. The effectiveness of extension in reaching rural people. 5c. For sale only.

Department Circulars:

107 DC. A system of field and office records for county extension workers.

190 DC. Extension work among Negroes, 1920. 5c. For sale only.

244 DC. Status and results of county agent work: Northern and Western States, 1921. 10c. For sale only.

285 D.C. Status and results of home demonstration work: Northern and Western States, 1921. 5c. For sale only.

375 DC. An extension program in home management and farm management for the Western States, with reports of standing regional committees on range livestock, dairying, farm crops, and human nutrition. 5c. For sale only.

Miscellaneous Publications:

8 MP. A review of five years of fact organization and State and regional program making in the Western States, and a report of the 1927 Extension Conference. 5c. For sale only.

15 MP. A history of agricultural extension work in the United States. 1785-1923. 75c. For sale only.

36 MP. A history of agricultural education in the United States. 1785-1925. \$1.00. For sale only.

146 MP. Milk-quality improvement program for 4-H dairy clubs. 5c. For sale only.

148 MP. A milk-quality improvement program for extension workers. 5c. For sale only.

178 MP. Home demonstration work.

285 MP. Federal legislation, regulations, and rulings affecting cooperative extension work in agriculture and home economics. 5c. For sale only.

291 MP. Teaching conservation of wildlife through 4-H Clubs.

318 MP. 4-H Club insect manual.

320 MP. Organization of 4-H Club work: A guide for local leaders.

395 MP. Forestry for 4-H Clubs.

403 MP. Effective extension circular letters. 10c. For sale only.

506 MP. Slidefilms of the United States Department of Agriculture.

Technical Bulletins:

125 T. Relative costs of extension methods which influence change in farm and home practices.

Unnumbered:

For better rural living. A report of cooperative extension work in agriculture and home economics in 1938.

Leaders on the land. A report of cooperative extension work in agriculture and home economics in 1939.

Meeting the challenge of agriculture. A report of extension work in agriculture and home economics in 1936.

Report of cooperative extension work in agriculture and home economics, 1941-42.

Security at the grass roots. A report of cooperative extension work in agriculture and home economics, 1940-41.

Serving American agriculture. A report of extension work in agriculture and home economics in 1933.

Serving farm people on many fronts. Annual report of the Extension Service, 1937.

What agricultural extension is.

FIRE PREVENTION

(See also Bureau List: Forest Service)

Circulars:

76 C. Fires in cotton gins and how to prevent them.

385 C. Dust explosions during fire fighting.

398 C. Measuring fire weather and forest inflammability.

449 C. Planning, constructing, and operating forest-fire lookout systems in California.

466 C. A weather-resistant fireproofing treatment for cotton fabrics.

591 C. Influence of altitude and aspect on daily variations in factors of forest-fire damage.

710 C. Effects of fire on gum yields of longleaf and slash pines.

Farmers' Bulletins:

1512 F. Protection of buildings and farm property from lightning.

1590 F. Fire-protective construction on the farm.

1643 F. Fire safeguards for the farm.

1678 F. Safe use and storage of gasoline and kerosene on the farm. 5c. For sale only.

1786 F. Fireproofing fabrics.

1926 F. Preventing destructive fires in southern woodlands.

Leaflets:

44 L. Fires on farms.

193 L. Fireproofing Christmas trees.

Technical Bulletins:

490 T. Explosibility of agricultural and other dusts as indicated by maximum pressure and rates of pressure rise.

Technical Bulletins—Continued.

- 551 T. Forest fire insurance in the Pacific Coast States. 20c. For sale only.
- 574 T. Principles of forest-fire detection on the national forests of northern California.
- 651 T. Forest fire insurance in the Northeastern States. 10c. For sale only.
- 876 T. Decay of logging slash in the Northeast.

Unnumbered:

The fire control equipment handbook. \$1.00, unbound. For sale only.

FISH**Farmers' Bulletins:**

- 1938 F. Fish for food from farm ponds. 10c. For sale only.

Miscellaneous Publications:

- 528 MP. Techniques of fishpond management.

FORESTRY

(See also Charts—Maps—Posters: Forestry; Nuts and Nut Trees; Ornamental Plants and Trees; and Bureau List: Forest Service)

GENERAL CARE AND MANAGEMENT**Circulars:**

- 333 C. Sample plots in silvicultural research.
- 358 C. The forest-tax problem and its solution summarized.
- 398 C. Measuring fire weather and forest inflammability.
- 431 C. Increasing growth and yield of young spruce pulpwood stands by girdling hardwoods. 5c. For sale only.
- 434 C. Commercial planting on redwood cut-over lands. 10c. For sale only.
- 453 C. Sulphuric acid treatment to increase germination of black locust seed. 10c. For sale only.
- 486 C. Factors affecting establishment of Douglas fir seedlings. 10c. For sale only.
- 557 C. Cost of producing white pine lumber in New England.
- 586 C. Slash disposal and forest management after clear cutting in the Douglas-fir region. 10c. For sale only.
- 661 C. Farm forestry in the Lake States: An economic problem.

Department Bulletins:

- 1494 D. Timber growing and logging practice in the western white pine and larch-fir forests of the northern Rocky Mountains. 15c. For sale only.

Farmers' Bulletins:

- 1117 F. Forestry and farm income.
- 1123 F. Growing and planting hardwood seedlings on the farm.

Farmers' Bulletins—Continued.

1177 F. Care and improvement of the farm woods.
 1256 F. Slash pine.
 1405 F. The windbreak as a farm asset.
 1486 F. Long-leaf pine primer.
 1492 F. Arbor Day: Its purpose and observance.
 1517 F. Loblolly pine primer.
 1526 F. Clearing land of brush and stumps. 5c.
 For sale only.
 1628 F. Growing black locust trees.
 1671 F. Shortleaf pine.
 1693 F. Growing Christmas holly on the farm.
 1794 F. Forest farming.
 1892 F. Pruning southern pines.
 1927 F. Cooperative management and marketing
 for the woodland owner.
 1940 F. Woodlands in the farm plans.

Leaflets:

29 L. The farm woods: A savings bank paying
 interest.
 55 L. Small trees wasteful to cut for saw timber.
 5c. For sale only.
 57 L. Pulp-wood crops in the Northeast.
 86 L. Protect hardwood stands from grazing.
 153 L. How to cut southern farm timber for
 steady profit.
 155 L. Growing nursery stock of southern pines.
 159 L. Planting southern pines.
 168 L. Dual-purpose pines.

Miscellaneous Publications:

135 MP. The principal laws relating to the establishment
 and administration of the National
 forests and to other Forest Service ac-
 tivities.
 162 MP. Our forests: What they are and what
 they mean to us.
 209 MP. A naval stores handbook dealing with the
 production of pine gum or oleoresin. 30c.
 For sale only.
 218 MP. Forest taxation in the United States. 75c.
 For sale only.
 225 MP. Converting factors and tables of equiva-
 lents used in forestry.
 247 MP. Forestry and permanent prosperity.
 295 MP. Famous trees. 20c. For sale only.
 307 MP. Knots in second-growth pine and the de-
 sirability of pruning. 10c. For sale only.
 309 MP. Forest resources of the North Louisiana
 Delta. 20c. For sale only.
 347 MP. Lumber requirements for nonfarm resi-
 dential construction.
 357 MP. Southern pines pay: A story in pictures.
 5c. For sale only.
 364 MP. A selected bibliography of North Ameri-
 can forestry. (Two volumes.)
 373 MP. State forests for public use.
 388 MP. Living and forest lands.
 389 MP. Forest resources of the Douglas-fir region.
 390 MP. Forest resources of south Georgia.

Miscellaneous Publications—Continued.

395 MP. Forestry for 4-H Clubs.

429 MP. Forest resources of the Upper Peninsula of Michigan.

434 MP. Nursery practice for trees and shrubs suitable for planting on the Prairie-Plains. 25c. For sale only.

501 MP. Georgia forest resources and industries.

519 MP. Louisiana forest resources and industries. 25c. For sale only.

533 MP. North Carolina forest resources and industries.

543 MP. Some plain facts about the forests. 10c. For sale only.

552 MP. South Carolina forest resources and industries.

Technical Bulletins:

259 T. Slash disposal in the western yellow pine forests of Oregon and Washington. 10c. For sale only.

323 T. Second-growth yield, stand, and volume tables for the western white pine type.

354 T. Preliminary yield tables for second-growth stands in the California pine region. 5c. For sale only.

407 T. Growth in selectively cut ponderosa pine forests of the Pacific Northwest. 10c. For sale only.

412 T. Yield of second-growth western hemlock-Sitka spruce stands in southeastern Alaska.

480 T. Timber growing and logging practice in the Southwest and in the Black Hills region. 10c. For sale only.

492 T. Artificial reforestation in the southern pine region. 15c. For sale only.

494 T. Decay following fire in young Mississippi Delta hardwoods. 5c. For sale only.

537 T. Growth of Douglas fir trees of known seed source. 10c. For sale only.

551 T. Forest fire insurance in the Pacific Coast States. 20c. For sale only.

560 T. Yield, stand, and volume tables for even-aged upland oak forests. 10c. For sale only.

683 T. Effects of fire and cattle grazing on longleaf pine lands as studied at McNeil, Mississippi. 10c. For sale only.

700 T. Costs of tractor logging in southern pine. 15c. For sale only.

742 T. Methods of distinguishing between the shipmast and common forms of black locust on Long Island, N. Y.

763 T. Restoring conifers to aspen lands in the Lake States. 10c. For sale only.

767 T. Natural regeneration in the western white pine type.

830 T. Economic management of western white pine forests.

Technical Bulletins—Continued.

861 T. Financial aspects of selective cutting in the management of second-growth pine-hardwood forests west of the Mississippi River.

863 T. Management of jack pine stands in the Lake States.

Yearbook Separates:

1744 Y. The place of forests in the farm economy. (1940.)

1812 Y. Climate and the Nation's forests. (1941.)

Unnumbered:

Community forests.

Forest trees of the Pacific Slope. \$1.00. For sale only.

National forest areas.

Taming our forests.

Diseases: Forest**Agricultural War Information Series:**

82 AWI. Prevent tanbark deterioration.

Circulars:

677 C. Dutch elm disease and its control.

Farmers' Bulletins:

1398 F. Currants and gooseberries: Their culture and relation to white-pine blister rust. 5c. For sale only.

1885 F. Treatment of white pines infected with blister rust.

1887 F. Reducing losses from tree diseases in eastern forests and farm woodlands.

Leaflets:

175 L. Eradication of the cultivated black currant in white pine regions.

Miscellaneous Publications:

22 MP. Protect white pine from blister rust.

Technical Bulletins:

240 T. The chemical eradication of *Ribes*. 10c. For sale only.

261 T. Longevity and germination of seeds of *Ribes*, particularly *R. rotundifolium*, under laboratory and natural conditions.

494 T. Decay following fire in young Mississippi Delta hardwoods. 5c. For sale only.

527 T. Progressive effect of *Polyporus versicolor* on the physical and chemical properties of red gum sapwood. 10c. For sale only.

570 T. Decay in merchantable oak, yellow poplar, and basswood in the Appalachian region.

684 T. Butt rot in unburned sprout oak stands.

692 T. Chemical and mechanical methods of *Ribes* eradication in the white pine areas of the Western States. 15c. For sale only.

733 T. Decay and other volume losses in wind-thrown timber on the Olympic Peninsula, Washington.

Technical Bulletins—Continued.

779 T. The effect of certain heart rot fungi on the specific gravity and strength of Sitka spruce and Douglas-fir.

785 T. Fungi causing decay of living oaks in the eastern United States and their cultural identification.

851 T. Deterioration of fire-killed Douglas-fir.

870 T. The brown spot needle blight of pine seedlings.

872 T. Decay in balsam fir in New England and New York. 10c. For sale only.

876 T. Decay of logging slash in the Northeast.

Insects and Other Pests: Forest**Circulars:**

176 C. Observation on the satin moth and its natural enemies in Central Europe. 5c. For sale only.

221 C. The white-pine weevil.

572 C. Life history and control of the imported willow leaf beetle.

626 C. Control of the locust borer. 5c. For sale only.

664 C. The mountain pine beetle, an important enemy of western pines.

683 C. Effectiveness of wood preservatives in preventing attack by termites.

717 C. Chemical impregnation of trees and poles for wood preservation.

Farmers' Bulletins:

1259 F. A sawfly injurious to young pines.

1477 F. Preventing damage by *Lyctus* powder-post beetles.

1582 F. Protection of log cabins, rustic work, and unseasoned wood from injurious insects.

1586 F. The southern pine beetle: A serious enemy of pines in the South. 5c. For sale only.

1824 F. The Black Hills beetle, a serious enemy of Rocky Mountain pines.

Leaflets:

161 L. The eastern tent caterpillar.

183 L. Cankerworms.

242 L. The spruce budworm.

Miscellaneous Publications:

417 MP. Bark beetles of the genus *Hylastes* Erichson in North America. 10c. For sale only.

Technical Bulletins:

83 T. The Pacific flathead borer. 15c. For sale only.

86 T. Imported insect enemies of the gypsy moth and the browntail moth. 50c. For sale only.

757 T. Parasites of the birch leaf mining sawfly. 10c. For sale only.

851 T. Deterioration of fire-killed Douglas-fir.

FOREST INFLUENCES

Circulars:

347 C. Effect of cover on surface run-off and erosion in the loessial uplands of Mississippi.
 380 C. Erosion control on mountain roads.
 482 C. Surface run-off and erosion on granitic mountain soils of Idaho as influenced by range cover, soil disturbance, slope, and precipitation intensity.
 710 C. Effects of fire on gum yields of longleaf and slash pines.

Farmers' Bulletins:

1405 F. The windbreak as a farm asset.

Leaflets:

208 L. Intensive projects under the Cooperative Farm Forestry Act.

Miscellaneous Publications:

162 MP. Our forests: What they are and what they mean to us. 10c. For sale only.
 196 MP. Floods and accelerated erosion in northern Utah. 5c. For sale only.
 247 MP. Forestry and permanent prosperity.
 257 MP. Water utilization by trees, with special reference to the economic forest species of the North Temperate Zone.
 290 MP. The work of the Forest Service.
 388 MP. Living and forest lands.
 414 MP. New forest frontiers.
 543 MP. Some plain facts about the forests. 10c. For sale only.

Technical Bulletins:

220 T. A study of the influence of herbaceous plant cover on surface run-off and soil erosion in relation to grazing on the Wasatch Plateau in Utah.
 528 T. Conditions influencing erosion on the Boise River watershed.
 567 T. Soil erosion and stream flow on range and forest lands of the upper Rio Grande watershed in relation to land resources and human welfare.

Yearbook Separates:

1812 Y. Climate and the Nation's forests.

Unnumbered:

Forests and water in the light of scientific investigation. 20c. For sale only.
 Headwaters control and use. \$1.00. For sale only.
 National forest vacations.
 Trees that temper the western winds.

FOREST PRODUCTS

Circulars:

105 C. Knotty lumber for boxes. 10c. For sale only.
 128 C. Effectiveness of moisture-excluding coatings on wood.

Circulars—Continued.

- 131 C. Utilization of black locust.
- 489 C. Selection, installation, finish, and maintenance of wood floors for dwellings.
- 641 C. Fuel wood used in the United States, 1630-1930.
- 668 C. The composition of paper and paperboards manufactured in 1939.
- 717 C. Chemical impregnation of trees and poles for wood preservation.

Department Bulletins:

- 1136 D. Kiln drying handbook.
- 1485 D. The suitability of American woods for paper pulp.
- 1500 D. The gluing of wood.

Department Circulars:

- 64 DC. How lumber is graded.

Farmers' Bulletins:

- 744 F. The preservative treatment of farm timbers.
- 1366 F. Production of maple sirup and sugar.
- 1660 F. The use of logs and poles in farm construction.
- 1756 F. Selection of lumber for farm and home building. 5c. For sale only.
- 1907 F. Equipment and methods for harvesting farm woodland products.
- 1912 F. Wood fuel in wartime.

Leaflets:

- 83 L. More turpentine, less scar, better pine.
- 153 L. How to cut southern farm timber for steady profit.
- 156 L. Harvesting and selling seed of southern pines.

Miscellaneous Circulars:

- 66 MC. The identification of furniture woods. 25c. For sale only.

Miscellaneous Publications:

- 209 MP. A naval stores handbook dealing with the production of pine gum or oleoresin. 30c. For sale only.
- 224 MP. Manual on preservative treatment of wood by pressure. 15c. For sale only.
- 225 MP. Converting factors and tables of equivalents used in forestry.
- 250 MP. Tests of woods for butter containers with reference to imparting odor and flavor. 5c. For sale only.
- 257 MP. Water utilization by trees, with special reference to the economic forest species of the North Temperate Zone.
- 306 MP. The Forest Products Laboratory.
- 358 MP. Use and abuse of wood in house construction.
- 387 MP. Turpentine still buildings and equipment.

Miscellaneous Publications—Continued.

389 MP. Forest resources of the Douglas-fir region.
 390 MP. Forest resources of south Georgia.
 429 MP. Forest resources of the Upper Peninsula of Michigan.
 476 MP. Production of naval stores.
 490 MP. Forest resources of the Ponderosa Pine Region.
 501 MP. Georgia forest resources and industries.
 508 MP. Northern Idaho forest resources and industries.
 519 MP. Louisiana forest resources and industries.
 25c. For sale only.
 533 MP. North Carolina forest resources and industries.
 552 MP. South Carolina forest resources and industries.

Technical Bulletins:

158 T. Comparative strength properties of woods grown in the United States.
 171 T. Principles of box and crate construction.
 174 T. The air-seasoning of wood.
 205 T. Gluing wood in aircraft manufacture.
 248 T. Wood-liquid relations. 10c. For sale only.
 282 T. Strength-moisture relations for wood.
 285 T. Properties of western larch and their relation to uses of the wood. 35c. For sale only.
 305 T. The strength and related properties of redwood.
 334 T. The effect of inorganic acids on the physical properties of waterleaf rag bond paper.
 479 T. Strength and related properties of woods grown in the United States.
 510 T. Variations in naval stores yields associated with weather and specific days between chippings. 5c. For sale only.
 541 T. Deterioration of book and record papers.
 566 T. Western hemlock bark an important potential tanning material. 10c. For sale only.
 596 T. Composition and fractionation of American steam-distilled wood turpentine.
 597 T. Lag-screw joints: Their behavior and design. 10c. For sale only.
 605 T. Deterioration of paper as indicated by gas chamber tests.
 691 T. The glued laminated wooden arch.
 714 T. Stains of sapwood and sapwood products and their control.
 749 T. Composition of American gum turpentine exclusive of the pinenes.
 773 T. Kiln design and development of schedules for extracting seed from cones.
 824 T. Machining and related characteristics of southern hardwoods.
 865 T. Timber-connector joints: Their strength and design.

Unnumbered:

What forests give.

Marketing: Forests and Forest Products

(See also Department Organization: Laws—Rules—Regulations)

Agricultural Information Series:

- 2 AIS. Guide for cutting loblolly pine of the Eastern Shore.
- 3 AIS. Guide for cutting Allegheny northern hardwoods.
- 4 AIS. Guide for cutting New England northern hardwoods.
- 5 AIS. Guide for cutting oak forests.
- 6 AIS. Guide for cutting red spruce.
- 7 AIS. Guide for cutting eastern white pine.

Agricultural War Information Series:

- 57 AWI. Mr. Farmer—Send your logs to war.
- 66 AWI. Cut victory timber but cut it wisely.
- 90 AWI. Guides for cutting timber in the Northeast.

Farmers' Bulletins:

- 1210 F. Measuring and marketing farm timber.
- 1459 F. Selling black-walnut timber.
- 1907 F. Equipment and methods for harvesting farm woodland products.
- 1927 F. Cooperative management and marketing for the woodland owner.

Leaflets:

- 156 L. Harvesting and selling seed of southern pines.

Miscellaneous Publications:

- 347 MP. Lumber requirements for nonfarm residential construction.
- 413 MP. Lumber distribution and consumption for 1938.
- 509 MP. Operating small sawmills in wartime.

Miscellaneous:

- 5272 M. Farm woodland owners—be market wise.

Statistical Bulletins:

- 69 S. Forest products statistics of the Southern States.
- 78 S. Stumpage and log prices for the calendar year 1941.
- 79 S. Stumpage and log prices for the calendar year 1942.

Technical Bulletins:

- 700 T. Costs of tractor logging in southern pine.
15c. For sale only.
- 779 T. The effect of certain heart rot fungi on the specific gravity and strength of Sitka spruce and Douglas-fir.
- 861 T. Financial aspects of selective cutting in the management of second-growth pine-hardwood forests west of the Mississippi River.

Unnumbered:

Guidebook for the identification of woods used for ties and timber.
Wood handbook. 35c. For sale only.

RANGE MANAGEMENT

(See also Bureau List: Agricultural Adjustment Agency; and specific animal or crop)

Agricultural War Information Series:

55 AWI. Market your range cattle in the best condition.
74 AWI. Southwestern stockman—Play to win.

Circulars:

62 C. The utilization of browse forage as summer range for cattle in southwestern Utah.
178 C. Artificial reseeding on western mountain range lands.
458 C. Artificial reseeding on oak-brush range in central Utah.
482 C. Surface run-off and erosion on granitic mountain soils of Idaho as influenced by range cover, soil disturbance, slope, and precipitation intensity.
491 C. Grass culture and range improvement in the central and southern Great Plains. 10c. For sale only.
624 C. Sheep migration in the Intermountain region.
642 C. Yearlong grazing of steers in the northern Great Plains.
655 C. Basis for judging subalpine grassland ranges of Oregon and Washington.
691 C. Management of sheep on range infested with orange sneezeweed.

Department Bulletins:

790 D. Range management on the National Forests.

Department Circulars:

379 DC. The use of salt in range management.

Farmers' Bulletins:

1395 F. Beef-cattle production in the range area.
1428 F. Saving livestock from starvation on southwestern ranges.
1782 F. Indicators of southwestern range conditions.
1823 F. Reseeding range lands of the Intermountain region.
1833 F. Crops against the wind on the southern Great Plains.
1859 F. Stock-water developments: Wells, springs, and ponds.
1921 F. Improving range conditions for wartime livestock production.
1924 F. Reseeding to increase the yield of Montana range lands.
1948 F. Sagebrush burning—good and bad.

Leaflets:

- 114 L. Vine-mesquite for erosion control on southwestern ranges.
- 180 L. How to keep and increase black grama on southwestern ranges.
- 210 L. Pricklypear control on short-grass range in the central Great Plains.
- 215 L. How to graze blue grama on southwestern ranges.
- 234 L. Control of mesquite on southwestern ranges.
- 239 L. Moderate grazing pays on California annual type ranges.

Miscellaneous Publications:

- 101 MP. Important western browse plants.
- 281 MP. A selected bibliography on management of western ranges, livestock, and wildlife.
- 338 MP. Soil defense of range and farm lands in the Southwest.
- 410 MP. Range conservation practices for the Great Plains.
- 514 MP. Food for Freedom by better range-conservation practices in the Pacific Northwest.
- 529 MP. Range and livestock production practices in the Southwest. 10c. For sale only.

Technical Bulletins:

- 220 T. A study of the influence of herbaceous plant cover on surface run-off and soil erosion in relation to grazing on the Wasatch Plateau in Utah.
- 409 T. The influence of precipitation and grazing upon black grama grass range.
- 547 T. Effect of different methods of grazing on native vegetation and gains of steers in northern Great Plains. 5c. For sale only.
- 567 T. Soil erosion and stream flow on range and forest lands of the upper Rio Grande watershed in relation to land resources and human welfare.
- 598 T. The relation of growth to the varying carbohydrate content in mountain brome.
- 600 T. The influence of climate and grazing on spring-fall sheep range in southern Idaho.
- 683 T. Effects of fire and cattle grazing on longleaf pine lands as studied at McNeill, Mississippi. 10c. For sale only.
- 686 T. Weather and plant-development data as determinants of grazing periods on mountain range.
- 805 T. Experiments with annual crops and permanent pastures to provide grazing for dairy cows in the Sandhill region of the Southeast.
- 818 T. Growth and carbohydrate content of important mountain forage plants in central Utah as affected by clipping and grazing.
- 840 T. A simplified method for determining the condition of white-tailed deer herd in relation to available forage. 15c. For sale only.

Technical Bulletins—Continued.

856 T. Effects of phosphorus supplements on cattle grazing on range deficient in this mineral.

Yearbook Separates:

1740 Y. The new range outlook. (1940.)
1811 Y. Climate and grazing. (1941.)

Unnumbered:

Range plant handbook. \$3.00. For sale only.

HOME ECONOMICS

(See also Farm and Household Engineering; Charts—Maps—Posters; Bureau List: Office of Marketing Services and Rural Electrification Administration)

CLOTHING AND TEXTILES**Agricultural War Information Series:**

26 AWI. Take care of the wool you have.

Circulars:

466 C. A weather-resistant fireproofing treatment for cotton fabrics.
590 C. A rapid method of projecting and measuring cross-sections of wool fibers.
654 C. Cross-section-area method for determining density of wool fibers.

Farmers' Bulletins:

1157 F. Waterproofing and mildewproofing of cotton duck.
1474 F. Stain removal from fabrics: Home methods.
1497 F. Method and equipment for home laundering.
1523 F. Leather shoes: Selection and care.
1633 F. Window curtaining.
1765 F. Guides for buying sheets, blankets, and bath towels.
1778 F. Fabrics and designs for children's clothes.
1786 F. Fireproofing fabrics.
1831 F. Judging fabric quality.
1837 F. Cotton shirts for men and boys.
1851 F. Women's dresses and slips: A buying guide.
1873 F. Slip covers for furniture.
1877 F. Buying boys' suits.
1894 F. Coat making at home.
1905 F. Work clothes for women.
1925 F. A B C's of mending.
1954 F. Making a dress at home.
1963 F. Dresses and aprons for work in the home.
1964 F. Fitting dresses.

Leaflets:

117 L. Quality guides in buying women's cloth coats.

Miscellaneous Publications:

230 MP. Home dyeing with natural dyes. 5c. For sale only.
365 MP. Children's body measurements for sizing garments and patterns: A proposed standard system based on height and girth of hips.

Miscellaneous Publications—Continued.

366 MP. Body measurements of American boys and girls for garment and pattern construction.

422 MP. Family expenditures for clothing. Five regions. (Consumer purchases study—Urban and village series.)

428 MP. Family expenditures for clothing. Five regions. (Consumer purchases study—Farm series.) 30c. For sale only.

454 MP. Women's measurements for garment and pattern construction.

482 MP. Mending men's suits.

545 MP. Make-overs from coats and suits.

Technical Bulletins:

310 T. The visual spectrophotometry of dyes. 5c. For sale only.

517 T. Cotton fabrics as affected by variations in pressure and in length of exposure during ironing. 5c. For sale only.

645 T. Manufacturing and serviceability tests on sheetings made from two selected mill types of cotton. 10c. For sale only.

726 T. Physical and chemical changes produced in bleached cotton duck by *Chaetomium globosum* and *Spirochaeta cytophaga*. 10c. For sale only.

790 T. Wool characteristics in relation to Navajo weaving.

803 T. Serviceability of selected types of cotton and rayon knit underwear. 5c. For sale only.

878 T. Neps in cotton yarns as related to variety, location, and season of growth.

Unnumbered:

Make—or buy a mattress.

Charts:

Clothing selection. Set of 9 charts. 20 by 30 inches. Black and white. Sold in sets only. 40c a set. For sale only.

1. Cloth coats for women.
2. Wash dresses for women.
3. Costume slips.
4. Women's hosiery.
5. Rompers for creeping babies.
6. Little girls' dresses.
7. Little boys' suits.
8. Winter playsuits.
9. Sunsuits.

ECONOMIC STUDIES**Circulars:**

645 C. Low-priced milk and the consumption of dairy products among low-income families, Washington, D. C., 1940.

Department Bulletins:

1466 D. The farmers' standard of living: A socio-economic study of 2,886 white farm families of selected localities in 11 States. 10c. For sale only.

Miscellaneous Publications:

205 MP. Economic and social problems and conditions of the southern Appalachians.

324 MP. Factors to be considered in preparing minimum-wage budgets for women. 10c. For sale only.

339 MP. Family income and expenditures. Pacific region, part one, family income. (Consumer purchases study—Urban and village series.)

345 MP. Family income and expenditures. Plains and Mountain region, part one, family income. (Consumer purchases study—Urban and village series.)

356 MP. Family income and expenditures. Pacific region and Plains and Mountain region, part one, family income. (Consumer purchases study—Farm series.)

370 MP. Family income and expenditures. Middle Atlantic and North Central region and New England region, part one, family income. (Consumer purchases study—Urban and village series.)

375 MP. Family income and expenditures. Southeast region, part one, family income. (Consumer purchases study—Urban and village series.) 35c. For sale only.

383 MP. Family income and expenditures. Middle Atlantic, North Central and New England regions, part one, family income. (Consumer purchases study—Farm series.)

399 MP. Family housing and facilities. Five regions. (Consumer purchases study—Urban, village, farm.) 25c. For sale only.

402 MP. Family expenditures for medical care. Five regions. (Consumer purchases study—Urban, village, farm.)

405 MP. Family food consumption and dietary levels. Five regions. (Consumer purchases study—Farm series.)

415 MP. Family expenditures for automobile and other transportation. Five regions. (Consumer purchases study—Urban, village, farm.)

422 MP. Family expenditures for clothing. Five regions. (Consumer purchases study—Urban and village series.)

428 MP. Family expenditures for clothing. Five regions. (Consumer purchases study—Farm series.) 30c. For sale only.

432 MP. Family expenditures for housing and household operation. Five regions. (Consumer purchases study—Urban and village series.)

436 MP. Family expenditures for furnishings and equipment. Five regions. (Consumer purchases study—Urban, village, farm.) 25c. For sale only.

Miscellaneous Publications—Continued.

452 MP. Family food consumption and dietary levels. Five regions. (Consumer purchases study—Urban and village series.)

455 MP. Family expenditures for personal care, gifts, selected taxes, and miscellaneous items. 20c. For sale only.

456 MP. Family expenditures for education, reading, recreation, and tobacco. 25c. For sale only.

457 MP. Family expenditures for housing and household operation. Five regions. (Consumer purchases study—Farm series.) 25c. For sale only.

462 MP. Family income and expenditures. Southeast region, part 1, family income. (Consumer purchases study—Farm series.) 25c. For sale only.

464 MP. Changes in assets and liabilities of families. Five regions. (Consumer purchases study—Urban, village, farm.)

465 MP. Family income and expenditures. Five regions, part 2, family expenditures. (Consumer purchases study—Farm series.)

475 MP. Minimum requirements for farmhouses recommended by the United States Department of Agriculture.

489 MP. Family spending and saving as related to age of wife and age and number of children.

520 MP. Rural family spending and saving in wartime. 20c. For sale only.

549 MP. Minimum-wage budgets for women. A guide to their preparation. 10c. For sale only.

550 MP. Family food consumption in the United States. 20c. For sale only.

Technical Bulletins:

576 T. Family living in Knott County, Ky. 10c. For sale only.

FOODS

(See also Bureau List: Office of Marketing Services and Rural Electrification Administration)

GENERAL**Circulars:**

138 C. Development and use of baking powder and baking chemicals.

Miscellaneous Publications:

237 MP. Food plants of the North American Indians.

550 MP. Family food consumption in the United States. 20c. For sale only.

Technical Bulletins:

534 T. Toxicity of food containing selenium as shown by its effect on the rat. 5c. For sale only.

Publications are free in limited amounts unless priced. Do not send remittances to the U. S. Department of Agriculture. See page 3.

NUTRITION

Agricultural War Information Series:

1 AWI. Food for growth.
 2 AWI. Vitamins from farm to you.
 78 AWI. Family food plans for good nutrition.
 107 AWI. Eat a good breakfast to start a good day.

Circulars:

205 C. The iron content of vegetables and fruits.
 5c. For sale only.
 481 C. Food consumption of children at the National Child Research Center. 10c. For sale only.
 507 C. Diets of families of employed wage earners and clerical workers in cities.
 549 C. Proximate composition of American food materials. 15c. For sale only.
 595 C. The growth and composition of the fruit of okra in relation to its eating quality.
 638 C. A compilation of the vitamin values of foods in relation to processing and other variants. 25c. For sale only.

Farmers' Bulletins:

1674 F. Food for children. 5c. For sale only.
 1705 F. Milk for the family.

Miscellaneous Publications:

405 MP. Family food consumption and dietary levels.
 Five regions. (Consumer purchases study —Farm series.)
 430 MP. Are we well fed? A report on the diets of families in the United States.
 452 MP. Family food consumption and dietary levels.
 Five regions. Consumer purchases study —Urban and village series.)
 502 MP. Factors influencing the nutritive value of the tomato.
 505 MP. Vitamin values of foods in terms of common measures.
 536 MP. Experiment station research on the vitamin content and the preservation of foods.
 546 MP. Principles of nutrition and nutritive value of food.
 553 MP. A consumer's guide for U. S. standards for farm products.

Nutrition Food Conservation Series:

2 NFC. Planning meals for industrial workers.
 3 NFC. Handbook for workers in school-lunch programs with special reference to volunteer service. 10c. For sale only.
 4 NFC. U. S. needs us strong—eat the basic 7 every day.
 5 NFC. The food we live by. 5c. For sale only.
 6 NFC. Democracy means all of us. How communities can organize to study and meet community needs with special suggestions for developing nutrition programs in wartime.

Nutrition Food Conservation Series—Continued.

7 NFC. Your employees are no better than the food they eat.

9 NFC. Lunch at school. 5c. For sale only.

10 NFC. Menu-planning guide for school lunches.

11 NFC. A brief review of food and nutrition in five countries.

13 NFC. Food conservation education in the elementary school program.

Technical Bulletins:

671 T. Composition and properties of goat's milk as compared with cow's milk.

707 T. The vitamin B₁ content of foods in terms of crystalline thiamin. 5c. For sale only.

780 T. A physiological study of carotenoid pigments and other constituents in the juice of Florida oranges. 10c. For sale only.

800 T. The effect of pasteurization on some constituents and properties of goat's milk.

802 T. The vitamin A values of 128 foods as determined by the rat-growth methods. 10c. For sale only.

821 T. Nutritive properties of lard and other shortening.

Yearbooks:

1939 YB. Food and life. \$1.50. For sale only.

Yearbook Separates:

1668 Y. Human nutrition (with literature cited). (1939.)

1669 Y. Food and life—A summary. (1939.)

1671 Y. Food functions and the relation of food to health. (1939.) 10c. For sale only.

1678 Y. Mineral needs of man. (1939.)

Charts:

Child feeding. Set of 8 charts. 15 by 23 inches. Black and white. Sold in sets only. 25c a set. For sale only.

1. Happy, healthy, growing (children).
2. Signs of good nutrition.
3. Right start for baby.
4. Aids to good food habits.
5. Good beginning in self-help.
6. Same menu for all.
7. Meals for 3-year-old.
8. Foods for good nutrition.

Get the good from your food. Set of 10 picture charts. 14½ by 20 inches. Black and red on white. Sold in sets only. 25c a set. For sale only.

1. Introductory chart.
2. Fruit.
- 3, 4, and 5. Vegetables.
- 6 and 7. Meat.
8. Poultry.
9. Eggs.
10. Fats.

Posters:

Every child needs a good school lunch. 20 by 28 inches. Colored.

For health eat some food from each group every day. 20 by 28 inches. Colored.

For work, for play, 3 "squares" a day. 14 1/4 by 20 inches. Colored.

Make America strong. Set of 13 posters 20 by 25 inches. Black and white. Sold in sets only. 75c a set. For sale only.

1. You can help make America strong.
2. Millions now don't get the food they need.
3. Some can't buy, some don't know, some don't try.
4. There's danger—when people tire too easily, when minds are slow to think, when bodies can't fight disease.
5. These breed danger—meals that are too meager, meals poorly prepared, meals low in protective foods.
6. These build strength—meals that are ample, meals well prepared, meals rich in protective foods.
7. You can use the land you have to grow the foods you need.
8. You can learn best ways to can and store the foods you need.
9. You can plan and prepare balanced meals for your family.
10. Your community can sponsor a school lunch program for its children.
11. Your community can use many ways to teach family food needs.
12. Your community can work for low-cost ways of selling needed foods.
13. Let's go to work to make Americans strong.

100-Calorie portions of a few familiar foods. Shows pen and ink sketches of 20 foods. 17 by 24 inches. 10c. For sale only.

These foods prevent pellagra. 16 by 24 inches. Colored.

COOKING**Agricultural Information Series:**

8 AIS. Cooking dehydrated vegetables. 5c. For sale only.

Agricultural War Information Series:

13 AWI.	99 ways to share meat.
16 AWI.	Cheese in your meals.
34 AWI.	Fats in wartime meals.
39 AWI.	Root vegetables in wartime meals.
47 AWI.	Dried beans and peas in wartime meals.
54 AWI.	Green vegetables in wartime meals.
73 AWI.	Cooking with soya flour and grits.
85 AWI.	Potatoes in popular ways.
89 AWI.	Egg dishes for any meal.
104 AWI.	Tomatoes on your table.

Circulars:

384 C.	Making and using peanut butter.
389 C.	Production of sauer rüben.
577 C.	Citrus fruit products.
631 C.	Protein-digesting enzymes of papaya and pineapple.

Department Bulletins:

608 D. Varieties of cheese: Descriptions and analyses. 15c. For sale only.

Farmers' Bulletins:

876 F. Making butter on the farm.
 1236 F. Corn and its uses as food.
 1424 F. Making vinegar in the home and on the farm.
 1438 F. Making fermented pickles.
 1454 F. Home utilization of muscadine grapes.
 1617 F. Soybean utilization.
 1734 F. Making American cheese on the farm for home consumption.
 1775 F. HOMEMADE bread, cake, and pastry.
 1888 F. Poultry cooking.
 1908 F. Meat for thrifty meals.

Leaflets:

17 L. Cooking beef according to the cut.
 34 L. Trichinosis: A disease caused by eating raw pork.
 39 L. Eggs at any meal. 5c. For sale only.
 45 L. Pork in preferred ways.
 74 L. Boning lamb cuts.
 81 L. Cooking cured pork. 5c. For sale only.
 112 L. Cooking American varieties of rice.
 113 L. Honey and some of its uses.
 166 L. Soybeans for the table. 5c. For sale only.
 204 L. Fats and oils for cooking and table use.
 213 L. Sour cream: How to prepare and use it at home.

Miscellaneous Publications:

119 MP. The manufacture of low-acid rennet-type cottage cheese.
 167 MP. A fruit and vegetable buying guide for consumers.
 534 MP. Soybeans and soybean products as food.
 537 MP. School lunch recipes.

Technical Bulletins:

507 T. The cooking quality, palatability, and carbohydrate composition of potatoes as influenced by storage temperature.

Unnumbered:

Aunt Sammy's radio recipes, revised. 15c. For sale only.
 Cook pork and its products thoroughly.
 Dry skim milk.

Charts:

Fight food waste in the home. Set of 10 picture charts. 14½ by 20 inches. Black and red on white. Sold in sets only. 25c a set. For sale only.

1. Introductory chart.
2. Milk and eggs.
- 3 and 4. Meat, poultry, fish.
5. Oil or fat.
6. Fresh vegetables.
7. Fresh fruit.
8. Vegetables and fruit.
9. Bread, cake, and cookies.

Fight Food Waste—Continued.

10. Sugar, flour, cereal, spice, and canned foods.
Get the good from your food. Set of 10 picture charts.
14½ by 20 inches. Black and red on white. Sold
in sets only. 25c a set. For sale only.

1. Introductory chart.
2. Fruit.
- 3, 4, and 5. Vegetables.
- 6 and 7. Meat.
8. Poultry.
9. Eggs.
10. Fats.

Meat cooking. Set of 7 charts. 20 by 30 inches. Black
and white. Sold in sets only. 50c a set. For sale
only.

1. Do you know meat cuts and cook according to cut?
2. Roasting a tender cut.
3. Stuffing low-priced tender roasts.
4. Broiling tender steaks and chops.
5. Pot-roasting a less-tender cut.
6. Braising a less-tender steak.
7. Ground meat in savory ways.

Poultry cooking. Set of 8 charts. 20 by 30 inches.
Black and white. Sold in sets only. 50c a set.
For sale only.

1. Cooking poultry.
2. Broiling a young bird.
3. To fry chicken.
4. Stuffing and trussing.
5. Roasting young turkey.
6. Roasting young duck.
7. Braising a fowl.
8. Stewing a fowl.

Posters:

Pork—A savory nourishing food. 11 by 13½ inches.
Colored.

CANNING, DRYING, FREEZING, STORING**Agricultural War Information Series:**

13 AWI.	99 ways to share meat.
32 AWI.	Protect home-cured meat from insects.
59 AWI.	Oven drying—one way to save victory gar- den surplus.
65 AWI.	Take care of pressure canners.
75 AWI.	Freezing meat and poultry products for home use.
76 AWI.	Home-built electric dehydrator.
93 AWI.	Home canning of fruits and vegetables.
100 AWI.	How to prepare vegetables and fruits for freezing.
103 AWI.	Pickle and relish recipes.
104 AWI.	Tomatoes on your table.
108 AWI.	Curing pork country style.

Circulars:

384 C.	Making and using peanut butter.
499 C.	A comparative study of suitability for dry- ing purposes in forty varieties of the sweetpotato.

Circulars—Continued.

- 553 C. Handling and storing small lots of dates at home.
- 577 C. Citrus fruit products.
- 583 C. Eggs and egg products.
- 619 C. Preservation of fruits and vegetables by commercial dehydration. 10c. For sale only.
- 706 C. Meat dehydration.

Department Bulletins:

- 928 D. Substitutes for sucrose in curing meats.
- 1025 D. Studies in the clarification of unfermented fruit juices.

Farmers' Bulletins:

- 976 F. Cooling milk and cream on the farm.
- 1186 F. Pork on the farm: Killing, curing, and canning.
- 1231 F. Drying crude drugs.
- 1264 F. Farm manufacture of unfermented apple juice. 10c. For sale only.
- 1415 F. Beef on the farm: Slaughtering, cutting, curing.
- 1424 F. Making vinegar in the home and on the farm.
- 1438 F. Making fermented pickles.
- 1454 F. Home utilization of muscadine grapes.
- 1796 F. Handling and preparing the Kieffer pear for use as food.
- 1800 F. Home-made jellies, jams, and preserves.
- 1807 F. Lamb and mutton on the farm.
- 1932 F. Preservation of vegetables by salting or brining.
- 1939 F. Home storage of vegetables and fruits.

Leaflets:

- 235 L. Preventing insect damage in home-dried fruits.

Miscellaneous Publications:

- 386 MP. Packaging sliced Cheddar and Swiss cheese in cans for sandwich dispensers. 5c. For sale only.
- 460 MP. The A B C of canned fruit and vegetable labeling.
- 524 MP. Commercial dehydration of vegetables and fruits in wartime.
- 536 MP. Experiment station research on the vitamin content and the preservation of foods.
- 540 MP. Vegetable and fruit dehydration. A manual for plant operators.
- 544 MP. Community canning centers. 25c. For sale only.

Nutrition Food Conservation Series:

- 12 NFC. Cut food waste.

Technical Bulletins:

- 84 T. Preservation of peaches for use in the manufacture of ice cream. 5c. For sale only.
- 193 T. Experiments on the processing and storing of Deglet Noor dates in California. 15c. For sale only.

Technical Bulletins—Continued.

450 T. Relation of maturity and handling of Bartlett pears in the Pacific Northwest to quality of the canned product.

592 T. Factors affecting the rate of drying of Kieffer pears.

768 T. Quality of frozen poultry as affected by storage and other conditions.

Yearbook Separates:

1684 Y. Micro-organisms in foods and food preservation. (1939)

1685 Y. Enzymes in foods, and food preservation. (1939.)

Charts:

Home canning. Set of 20 picture charts. 14½ by 20 inches. Green and orange on white. Sold in sets only. 50c a set. For sale only.

1. Introductory chart.
2. Equipment for water bath.
3. Jars, caps, rubbers.
- 4 and 5. Selection and preparation of tomatoes for canning.
6. Packing tomatoes in jars.
7. Sealing jars of tomatoes.
8. Jars of tomatoes in and out of boiling-water bath.
9. Selection and preparation of peaches.
10. Adding sugar to peaches.
11. Filling jars with peaches and sealing.
12. Processing peaches in boiling-water bath.
- 13 and 14. Selection and preparation of string beans for canning.
15. Packing string beans in jars and sealing.
16. Processing beans in pressure canner.
17. Taking beans out of pressure canner.
18. Testing, labeling, storing canned foods.
19. Cartoons illustrating canning don'ts.
20. Canning time table.

HEALTH AND SAFETY

(See also Household Insects and Nutrition)

Agricultural War Information Series:

45 AWI. Start them right!

87 AWI. Prevent accidents.

Circulars:

46 C. Methods of collecting and preserving pollen for use in the treatment of hay fever. 5c. For sale only.

Farmers' Bulletins:

602 F. Production of clean milk.

926 F. Some common disinfectants.

1166 F. Poison ivy and poison sumac and their eradication. 5c. For sale only.

1315 F. Cleaning milking machines.

1675 F. Care of milk utensils on the farm.

1792 F. Hospitals for rural communities.

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Leaflets:

- 3 L. Improved sanitation in milk production.
- 34 L. Trichinosis: A disease caused by eating raw pork.
- 95 L. How to control ragweed: The principal cause of autumn hay fever.
- 177 L. The pasteurization of milk.

Miscellaneous Publications:

- 402 MP. Family expenditures for medical care. Five regions. (Consumer purchases study—Urban, village, farm.)
- 481 MP. Watch your step: Farm safety for national defense.

Yearbook Separates:

- 1671 Y. Food functions and the relation of food to health. (1939.) 10c. For sale only.
- 1686 Y. United States meat inspection. (1939.)
- 1798 Y. Comfort and disease in relation to climate. (1941.)
- 1799 Y. Health in tropical climates. (1941.)
- 1884 Y. Bacterial infections and parasites common to man and animals. (1941.) Reprint from 1892 Y. Rabies and its control. (1942.)

Posters:

- Pork—A savory nourishing food. 11 by 13½ inches. Colored.

HOUSEHOLD EQUIPMENT AND MANAGEMENT

(See also Economic Studies; Bureau List: Office of Marketing Services and Rural Electrification Administration)

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- 6 AWI. How to make your washing machine last longer.
- 7 AWI. Take care of household rubber.
- 8 AWI. How to make your gas or electric range last longer.
- 11 AWI. How to make your ironing equipment last longer.
- 19 AWI. Take care of vacuum cleaners and carpet sweepers.
- 20 AWI. How to make your electric cords last longer.
- 65 AWI. Take care of pressure canners.

Circulars:

- 489 C. Selection, installation, finish, and maintenance of wood floors for dwellings.

Farmers' Bulletins:

- 1460 F. Simple plumbing repairs in the home.
- 1497 F. Methods and equipment for home laundering.
- 1633 F. Window curtaining.
- 1698 F. Heating the farm home.
- 1765 F. Guides for buying sheets, blankets, and bath towels.
- 1834 F. House cleaning management and methods.
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Farmers' Bulletins—Continued.

1851 F. Women's dresses and slips: A buying guide.
 1865 F. Closets and storage spaces.
 1873 F. Slip covers for furniture.
 1877 F. Buying boys' suits.
 1944 F. Sewing machines—cleaning and adjusting.
 1960 F. Carpet and rug repair.

Leaflets:

69 L. Preservation of leather bookbindings.
 191 L. Liquefied gas for the household.

Miscellaneous Publications:

167 MP. A fruit and vegetable buying guide for consumers.
 392 MP. Buying beef by grade.
 427 MP. Questions and answers on the cotton mattress program. 5c. For sale only.
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 489 MP. Family spending and saving as related to age of wife and age and number of children.
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150 L. Carpet beetles.
152 L. How to control fleas.
182 L. Housefly control.
186 L. Domestic mosquitoes.
189 L. Psocids, annoying house pests.
192 L. Centipedes and millipedes in the house.

Technical Bulletins:

766 T. The European earwig.

INSECTS

(See also animal or crop attacked; Household Insects and Bureau List: Agricultural Research Administration)

Agricultural War Information Series:

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715 T. Keys to the parasites of the hessian fly based on remains left in the host puparium. 10c. For sale only.

721 T. *Paradexodes epilachnae*, a tachinid parasite of the Mexican bean beetle. 5c. For sale only.

728 T. Parasites of the oriental fruit moth in Japan and Chosen and their introduction into the United States. 10c. For sale only.

738 T. Investigations of the parasites of *Popillia japonica* and related Scarabaeidae in the Far East from 1929 to 1933, inclusive. 10c. For sale only.

743 T. Experiments with *Trichogramma minutum* Riley as a control of the sugarcane borer in Louisiana. 10c. For sale only.

Technical Bulletins—Continued.

757 T. Parasites of the birch leaf-mining sawfly (*Phyllotoma nemorata*). 10c. For sale only.

784 T. The wheat jointworm in Oregon, with special reference to its dispersion injury and parasitization.

871 T. *Apanteles diatraeae*, a braconid parasite of the southwestern corn borer.

INSECTICIDES

Agricultural War Information Series:

15 AWI. Substitutes for scarce materials.

40 AWI. Insecticides are ammunition—use them wisely.

Circulars:

455 C. The toxicity of *Haplophyton cinicidum* A. DC. to fruitflies. 5c. For sale only.

555 C. Fumigation of vetch seed for the vetch bruchid.

568 C. Factors influencing the use of some common insecticide-dispersing agents.

598 C. Experiments in the use of vapor-spray equipment. 5c. For sale only.

610 C. Adsorption of mercuric chloride from solution by gladiolus corms. 5c. For sale only.

615 C. Studies on the control of cabbage caterpillars with derris in the South.

616 C. Methods of breeding *Chelonus annulipes* on the Mediterranean flavor moth for use against the European corn borer.

647 C. Toxic and repellent sprays for the control of elm bark beetles.

657 C. Mineral oil treatment of sweet corn for earworm control.

684 C. Studies on nicotine fumigation in greenhouses. 10c. For sale only.

Department Circulars:

367 DC. Airplane dusting in the control of malaria mosquitoes. 5c. For sale only.

Farmers' Bulletins:

1246 F. The peach borer: How to prevent or lessen its ravages; the para-dichlorobenzene treatment.

1582 F. Protection of log cabins, rustic work, and unseasoned wood from injurious insects.

1676 F. Lubricating-oil sprays for use on dormant fruit trees.

1729 F. Machinery for dusting cotton.

Miscellaneous Publications:

176 MP. Bibliography of chloropicrin, 1848-1932.

526 MP. Insecticides and equipment for controlling insects on fruits and vegetables.

Publications are free in limited amounts unless priced. Do not send remittances to the U. S. Department of Agriculture. See page 3.

Technical Bulletins:

80 T. Tests of blowfly baits and repellents during 1926. 5c. For sale only.

198 T. Relative insecticidal value of commercial grades of pyrethrum. 5c. For sale only.

274 T. Hot water as an insecticide for the Japanese beetle in soil and its effect on the roots of nursery plants. 15c. For sale only.

427 T. The use of naphthalene against the Japanese beetle. 5c. For sale only.

478 T. The use of carbon disulphide against the Japanese beetle. 10c. For sale only.

595 T. Studies on the possibilities of devil's shoe-string (*Tephrosia virginiana*) and other native species of *Tephrosia* as commercial sources of insecticides.

623 T. Fumigation of baled cotton with hydrocyanic acid for the pink bollworm. 10c. For sale only.

740 T. Studies of methods and materials for the control of the leaf-hopper *Empoasca fabae* as a bean pest. 10c. For sale only.

782 T. Field studies of insecticides used to control cabbage caterpillars.

788 T. Relative effectiveness of acid lead arsenate and other materials as stomach poisons for the larvae of the Japanese beetle.

793 T. Evaluation of baits and bait ingredients used in grasshopper control.

801 T. Insecticidal efficiency of some oils of plant origin. 5c. For sale only.

BEES AND HONEY**Circulars:**

554 C. Honey and pollen plants of the United States.

650 C. Factors affecting the usefulness of honeybees in pollination.

702 C. Productive management of honeybee colonies in the Northern States.

Farmers' Bulletins:

961 F. Transferring bees to modern hives.

Technical Bulletins:

656 T. Cost of producing extracted honey in California.

Diseases and Parasites: Bees**Circulars:**

392 C. Diagnosing bee diseases in the apiary.

Farmers' Bulletins:

1713 F. The treatment of American foulbrood.

Insects: Bees**Circulars:**

386 C. The wax moth and its control.

Products: Bees**Leaflets:**

113 L. Honey and some of its uses.

Marketing: Bees and Products

Leaflets:

68 L. Roadside markets.

Technical Bulletins:

716 T. Investigations on the physical and chemical properties of beeswax.

LABOR

Agricultural War Information Series:

29 AWI. The challenge to farm youth in 1943.
 45 AWI. Start them right!
 50 AWI. Women's Land Army of the U. S. Crop Corps needs workers.
 91 AWI. Join us on the farm front. Be a Victory Farm Volunteer of the U. S. Crop Corps.
 96 AWI. Your job as a work leader.
 101 AWI. Pitch in and help. The Women's Land Army calls 800,000 women to the farm in 1944.
 102 AWI. The Women's Land Army of the U. S. Crop Corps, 1944.
 106 AWI. Mobilizing help to save crops.

Discussion Series:

23 DS. Let's talk about farm labor for the wartime job.

Farmers' Bulletins:

614 F. A Corn-Belt farming system which saves harvest labor by hogging down crops. 5c. For sale only.

Miscellaneous Publications:

265 MP. A graphic summary of farm labor and population. (Based largely on the Census of 1930 and 1935.) 10c. For sale only.
 492 MP. War and farm work.
 542 MP. VFV on the farm front.

Yearbook Separates:

1767 Y. Farm labor in an era of change. (1940.) 5c. For sale only.

Unnumbered:

Technology on the farm. 40c. For sale only.

Posters:

Help harvest—Join U. S. Crop Corps. 20 by 28½ inches. Colored.
 Join Women's Land Army of the U. S. Crop Corps. 20 by 28½ inches. Colored.
 Pitch in and help. 20 by 28 inches. Colored.
 "Those overalls are your uniform, bud!" 20 by 28½ inches. Colored.

MARKETING RESEARCH

(See also Charts—Maps—Posters; Bureau List: Agricultural Adjustment Agency, Office of Marketing Services, and Farm Credit Administration)

Publications are free in limited amounts unless priced. Do not send remittances to the U. S. Department of Agriculture. See page 3.

COMMODITY FUTURES

Circulars:

397 C. Analysis of open commitments in wheat and corn futures on the Chicago Board of Trade, September 29, 1934.
 539 C. Trading for others in commodity futures.
 604 C. Trading in wool top futures.

Commodity Statistics:

1 CS. Corn futures statistics.
 2 CS. Cotton futures statistics.
 7 CS. Commodity futures statistics, July, 1942-June, 1943.
 11 CS. Commodity futures statistics, July, 1943-June, 1944.

Statistical Bulletins:

41 S. Wheat futures: Volume of trading, open commitments and prices from January 2, 1930, to December 31, 1932.
 43 S. Corn futures: Volume of trading, open commitments and prices from January 2, 1930, to December 31, 1932.
 54 S. Wheat futures: Volume of trading, open commitments and prices from January 3, 1933, to December 31, 1935.
 55 S. Corn futures: Volume of trading, open commitments and prices from January 3, 1933, to December 31, 1935.
 72 S. Wheat futures: Volume of trading, open contracts and prices from January 2, 1936, to December 31, 1938.
 74 S. Corn futures: Volume of trading, open commitments and prices from January 2, 1936, to December 30, 1939.

Technical Bulletins:

199 T. Trading in corn futures. 20c. For sale only.
 602 T. Relation of spot cotton prices to prices of futures contracts and protection afforded by trading in futures.
 685 T. Cotton prices in spot and futures markets.
 747 T. Grain prices and the futures market: A 15-year survey, 1923-1938.

MARKETING: GENERAL

Agricultural War Information Series:

84 AWI. The War Food Administration's achievement "A" award for food processors.

Leaflets:

68 L. Roadside markets.
 73 L. Is the public market a good civic investment?

Technical Bulletins:

737 T. Wholesale prices of fats and oils in the United States: Index numbers, 1910-1939.

Unnumbered:

Barriers to internal trade in farm products.
Economic analysis of the Food Stamp Plan. 20c. For sale only.

Yearbook Separates:

1749 Y. The industrial market for farm products.
(1940.) 5c. For sale only.
1750 Y. Reducing the costs of food distribution.
(1940.) 5c. For sale only.
1752 Y. Thirty million customers for the surplus.
(1940.) 5c. For sale only.
1753 Y. Barriers to internal trade in farm products. (1940.)
1754 Y. Standardization and inspection of farm products. (1940.)
1757 Y. The transportation problem of agriculture.
(1940.)

MARKETING: CROPS

(See also Department Organization: Laws—Rules—Regulations; specific crop; Bureau List: Agricultural Adjustment Agency, Office of Marketing Services, and Farm Credit Administration)

Agricultural War Information Series:

35 AWI. 9 steps in grading soybeans.
36 AWI. 10 steps in grading grain sorghums.
37 AWI. 6 steps in grading flaxseed.
99 AWI. Twelve points in grading dry edible beans.

Circulars:

91 C. Market supplies and prices of apples.
161 C. Bulk and sack handling of grain in the Pacific Coast States.
435 C. Tobacco shrinkages and losses in weight in handling and storage.
475 C. Marketing the late crop of potatoes.
484 C. Effect of date of harvest on yield and milling quality of rice.
515 C. Handling and shipping strawberries without refrigeration.
519 C. The tobacco industry in Puerto Rico.
553 C. Handling and storing small lots of dates at home.
566 C. The ripening and repacking of mature-green tomatoes.
574 C. Studies on the "raisining" of Alexandria (Muscat) grapes in transit.
577 C. Citrus fruit products.
579 C. The relation of firmness to ripeness of eastern grown apples.
623 C. The conversion of the weights of mechanical separation of grain into percentages.
644 C. The marketing of greens.

Department Bulletins:

1460 D. Testing wheat for protein with a recommended method for making the test. 5c. For sale only.

Publications are free in limited amounts unless priced. Do not send remittances to the U. S. Department of Agriculture. See page 3.

Department Circulars:

64 DC. How lumber is graded.
 416 DC. Demand, marketing, and production of Oregon and Washington prunes. 10c. For sale only.

Farmers' Bulletins:

1204 F. Northwestern apple packing houses.
 1210 F. Measuring and marketing farm timber.
 1291 F. Preparation of fresh tomatoes for market.
 1308 F. Marketing the cowpea seed crop.
 1420 F. Handling rough rice to produce high grades.
 1423 F. Preparation of cabbage for market.
 1457 F. Packing apples in boxes.
 1459 F. Selling black-walnut timber.
 1551 F. Marketing farm produce by parcel post.
 1558 F. Preparation of eastern grapes for market.
 1560 F. Preparing strawberries for market.
 1574 F. Preparing Johnson hay for market in the Black Prairie Belt of Alabama and Mississippi.
 1594 F. Preparation of bunched beets, carrots, and turnips for market.
 1695 F. Preparing apples for market in barrels and baskets.
 1700 F. Marketing hay by modern methods.
 1702 F. Preparing peaches for market.
 1821 F. Containers for fruits and vegetables.
 1927 F. Cooperative management and marketing for the woodland owner.

Leaflets:

167 L. Facts about cotton.

Miscellaneous Publications:

75 MP. Method of testing the capacity of fruit and vegetable containers under the United States Standard Container Acts. 5c. For sale only.
 185 MP. Guide to the grading of structural timbers and the determination of working stresses.
 242 MP. Development and use of standards for grade, color, and character of American cotton linters.
 325 MP. Grain grading primer.
 328 MP. The service of Federal grain standards.
 347 MP. Lumber requirements for nonfarm residential construction.
 413 MP. Lumber distribution and consumption for 1938.
 416 MP. Marketing peanuts and peanut products.
 441 MP. Cottonseed: Official grading and market news.
 460 MP. The ABC of canned fruit and vegetable labeling.

Separates from Agricultural Statistics:

72 SAS. Approximate or average weights of various commodities and other conversion factors.

Technical Bulletins:

7 T. Origin and distribution of the commercial potato crop.

50 T. Factors affecting the price of cotton.

193 T. Experiments on the processing and storing of Deglet Noor dates in California. 15c. For sale only.

234 T. Marketing apples grown in the Cumberland-Shenandoah region of Pennsylvania, Virginia, and West Virginia. 10c. For sale only.

268 T. Effect of various temperatures on the storage and ripening of tomatoes.

290 T. Investigations on harvesting and handling fall and winter pears.

423 T. Fluctuations in prices of cotton futures contracts. 5c. For sale only.

425 T. Marketing cantaloups and other muskmelons. 5c. For sale only.

445 T. Market distribution of carlot shipments of fruits and vegetables in the United States.

450 T. Relation of maturity and handling of Bartlett pears in the Pacific Northwest to quality of the canned product.

493 T. Farm prices of cotton related to its grade and staple length in the United States, seasons 1928-29 to 1932-33. 10c. For sale only.

525 T. Handling, precooling, and transportation of Florida strawberries.

545 T. Methods for the measurement of certain character properties of raw cotton.

555 T. Marketing onions.

559 T. Influence of packing and handling methods on condition of apples barreled for export.

644 T. The chemical determination of soundness in corn.

646 T. Marketing commercial cabbage.

662 T. Cotton sold in the seed in the United States. 5c. For sale only.

699 T. Cotton prices in relation to cotton classification service and to quality improvement. 10c. For sale only.

712 T. Marketing commercial lettuce.

730 T. Market quality and condition of California cantaloups as influenced by maturity, handling, and precooling.

748 T. Rapid determination of soybean oil content and of iodine number of soybean oil.

755 T. Cotton-price relationships and outlets for American cotton. 5c. For sale only.

Unnumbered:

National forest scaling handbook. 60c. For sale only.

The wholesale fruit and vegetable markets of New York City.

Publications are free in limited amounts unless priced. Do not send remittances to the U. S. Department of Agriculture. See page 3.

MARKETING: LIVESTOCK AND PRODUCTS

(See also Department Organization: Laws—Rules—Regulations; specific animal; Bureau List: Agricultural Adjustment Agency, Office of Marketing Services, and Farm Credit Administration)

Agricultural War Information Series:

69 AWI. The farmer grades his meat.

Beef Grading Charts:

- No. 1. Beef graded and stamped by U. S. Government graders. (Hind quarter.) 12 by 16 inches. Colored.
- No. 2. Beef graded and stamped by U. S. Government graders. (Fore quarter.) 12 by 16 inches. Colored.
- No. 3. Steaks and roasts from U. S. Government graded beef. 12 by 16 inches. Colored.

Charts:

Wholesale and retail cuts of beef, veal, lamb, and fresh pork. 16 by 24 inches. Black and white. Set of 4 charts.

Circulars:

- 28 C. Market classes and grades of calves and vealers. 5c. For sale only.
- 103 C. Market classes and grades of dressed veal and calf carcasses.
- 352 C. Packaging, curing, and merchandising American Cheddar cheese in cans. 5c. For sale only.
- 383 C. Market classes and grades of lambs and sheep.
- 469 C. Milk-bottle losses and ways to reduce them.
- 505 C. Market classes and grades of feeder and stocker cattle.
- 524 C. Determination of slaughter-steer grades from weights and measurements.
- 543 C. Two rapid methods for estimating fineness and cross-sectional variability of wool.
- 569 C. Market classes and grades of swine.
- 583 C. Eggs and egg products.
- 590 C. A rapid method of projecting and measuring cross-sections of wool fibers.

Department Bulletins:

- 1344 D. Effect of various factors on the creaming ability of market milk.
- 1360 D. Market classes and grades of livestock.
- 1440 D. Factors affecting the price of hogs.
- 1464 D. Market classes and grades of cattle.
- 1470 D. Market classes and grades of dressed lamb and mutton.

Department Circulars:

300 DC. Commercial cuts of meat.

Farmers' Bulletins:

- 1055 F. Country hides and skins, skinning, curing, and marketing.
- 1377 F. Marketing poultry.
- 1378 F. Marketing eggs.
- 1551 F. Marketing farm produce by parcel post.
- 1694 F. Dressing and packing turkeys for market.
- 1815 F. Grading dressed turkeys.

Leaflets:

- 38 L. Maintaining the health of livestock in transit.
- 68 L. Roadside markets.
- 92 L. Preparing wool for market.
- 122 L. U. S. graded and stamped meat.

Miscellaneous Circulars:

- 57 MC. The tattoo method of marking hogs and its use.
- 63 MC. The inspection stamp as a guide to wholesome meat.

Miscellaneous Publications:

- 33 MP. Advantages of standards for livestock and meats.
- 161 MP. Testing milk and cream.
- 391 MP. Federal beef grading.

Posters:

- U. S. grades of slaughter cows. 21 by 33 inches. Colored.
- U. S. grades of slaughter heifers. 21 by 38 inches. Colored.
- U. S. grades of slaughter lambs. 21 by 38 inches. Black and white.
- U. S. grades of slaughter steers. 21 by 38 inches. Black and white.
- U. S. grades of slaughter swine. 21 by 38 inches. Black and white.

Technical Bulletins:

- 73 T. Some factors affecting the demand for milk and cream in the metropolitan area of New York. 15c. For sale only.
- 243 T. Transporting and handling milk in tanks. 10c. For sale only.
- 722 T. Production and consumption of manufactured dairy products.
- 764 T. Trends in production and foreign trade for meats and livestock in U. S. 10c. For sale only.
- 789 T. Supply responses in milk production in southeastern Minnesota.
- 826 T. Controlling corn and hog supplies and prices. 15c. For sale only.

Yearbook Separates:

- 1162 Y. Federal meat inspection protects consumers and locates animal diseases. 5c. For sale only.
- 1686 Y. United States meat inspection. (1939.)

STATISTICS

(See also Department Organization: Annual Reports and Yearbooks)

Circulars:

- 689 C. Fertilizer consumption in 1941 and trends in usage.

Publications are free in limited amounts unless priced. Do not send remittances to the U. S. Department of Agriculture. See page 3.

Commodity Statistics:

- 1 CS. Corn futures statistics. January, 1940-September, 1942.
- 2 CS. Cotton futures statistics. January, 1940-September, 1942.
- 3 CS. Livestock, meats, and wool market statistics and related data, 1942. 25c. For sale only.
- 4 CS. Dairy and poultry market statistics, 1942.
- 5 CS. Cotton quality statistics, United States, 1942-43.
- 6 CS. Annual report on tobacco statistics, 1943.
- 7 CS. Commodity futures statistics, July, 1942-June, 1943.
- 8 CS. Livestock, meats, and wool market statistics and related data, 1943.
- 9 CS. Dairy and poultry market statistics, 1943. 15c. For sale only.

Miscellaneous Publications:

- 413 MP. Lumber distribution and consumption for 1938.
- 471 MP. Crop yields and weather.

Separates from Agricultural Statistics:

- 50 SAS. Approximate or average weights of various commodities and other conversion factors. (1941.)
- 51 SAS. Statistics of grains. (1941.)
- 52 SAS. Statistics of cotton, sugar, and tobacco. (1941.)
- 53 SAS. Statistics of fruits, vegetables, melons, and tree nuts. (1941.)
- 54 SAS. Statistics of miscellaneous crops. (1941.)
- 55 SAS. Statistics of beef cattle, hogs, sheep, horses, and mules. (1941.)
- 66 SAS. Dairy and poultry statistics. (1941.)
- 57 SAS. Foreign trade of the United States in agricultural products. (1941.)
- 58 SAS. Farm business and related statistics. (1941.)
- 59 SAS. Miscellaneous agricultural statistics. (1941.)
- 60 SAS. Approximate or average weights of various commodities and other conversion factors. (1942.) 10c. For sale only.
- 61 SAS. Statistics of grains. (1942.)
- 62 SAS. Statistics of cotton, sugar, and tobacco. (1942.)
- 63 SAS. Statistics of oilseeds, fats, and oils. (1942.)
- 64 SAS. Statistics of fruits, vegetables, melons, and tree nuts. (1942.)
- 65 SAS. Statistics of hay, seeds, and minor field crops. (1942.)
- 66 SAS. Statistics of beef cattle, hogs, sheep, horses, and mules. (1942.) 15c. For sale only.
- 67 SAS. Dairy and poultry statistics. (1942.)
- 68 SAS. Foreign trade of the United States in agricultural products. (1942.)
- 69 SAS. Farm capital and income statistics. (1942.)
- 70 SAS. Agricultural adjustment and conservation statistics. (1942.)

Separates from Agricultural Statistics—Continued.

71 SAS. Miscellaneous agricultural statistics. (1942.)

72 SAS. Approximate or average weights of various commodities and other conversion factors. (1943.)

73 SAS. Statistics of grains. (1943.)

74 SAS. Statistics of cotton, sugar, and tobacco. (1943.)

75 SAS. Statistics of oilseeds, fats, and oils. (1943.)

76 SAS. Statistics of fruits, vegetables, melons, and tree nuts. (1943.)

77 SAS. Statistics of hay, seeds, and minor field crops. (1943.)

78 SAS. Statistics of beef cattle, hogs, sheep, horses, and mules. (1943.)

79 SAS. Dairy and poultry statistics. (1943.)

80 SAS. Farm capital and income statistics. (1943.)

81 SAS. Agricultural conservation and adjustment statistics. (1943.)

82 SAS. Miscellaneous agricultural statistics. (1943.)

Statistical Bulletins:

30 S. Car-lot shipments and unloads of important fruits and vegetables for the calendar years 1927 and 1928. 25c. For sale only.

34 S. Corn futures: Volume of trading, open commitments and prices from January 3, 1921, to December 31, 1929.

35 S. Car-lot shipments of fruits and vegetables from stations in the United States for the calendar years 1928 and 1929. 25c. For sale only.

38 S. Car-lot shipments and unloads of important fruits and vegetables for the calendar years 1929 and 1930. 15c. For sale only.

41 S. Wheat futures: Volume of trading, open commitments and prices from January 2, 1930, to December 31, 1932.

42 S. Car-lot shipments of fruits and vegetables from stations in the United States for the calendar years 1930 and 1931. 10c. For sale only.

43 S. Corn futures: Volume of trading, open commitments and prices from January 2, 1930, to December 31, 1932.

45 S. Grade and staple length of cotton carried over in the United States as related to the domestic supply, 1928-1929 to 1931-1932.

46 S. Carlot shipments and unloads of important fruits and vegetables for the calendar years 1931 and 1932.

47 S. Grade, staple, length, and tenderability of cotton in the United States, 1928-29 to 1932-33. 10c. For sale only.

52 S. Grade, staple length, and tenderability of cotton in the United States, 1928-29 to 1933-34.

Statistical Bulletins—Continued.

53 S. Car-lot shipments and unloads of nineteen important fruits and vegetables for the calendar years 1933 and 1934.

54 S. Wheat futures: Volume of trading, open commitments and prices from January 3, 1933, to December 31, 1935.

55 S. Corn futures: Volume of trading, open commitments and prices from January 3, 1933, to December 31, 1935.

56 S. Grade, staple length, and tenderability of cotton in the United States, 1928-29 to 1934-35.

58 S. Annual report on tobacco statistics, 1936.

59 S. Fats, oils, and oleaginous raw materials—Production, prices, trade, disappearance in the United States, 1912-35, and available data for earlier years.

63 S. Annual report on tobacco statistics, 1937.

65 S. Forest products statistics of the Pacific Coast States.

67 S. Annual report on tobacco statistics, 1938.

69 S. Forest products statistics of the Southern States.

72 S. Wheat futures: Volume of trading, open contracts and prices from January 2, 1936, to December 31, 1938.

74 S. Corn futures: Volume of trading, open commitments and prices from January 2, 1936, to December 30, 1939.

78 S. Stumpage and log prices for the calendar year 1941.

79 S. Stumpage and log prices for the calendar year 1942.

Technical Bulletins:

446 T. Yields of barley in the United States and Canada, 1927-1931. 10c. For sale only.

587 T. Consumption and production of tobacco in Europe.

703 T. Gross farm income and indices of farm production and prices in the United States, 1869-1937.

722 T. Production and consumption of manufactured dairy products.

737 T. Wholesale prices of fats and oils in the United States: Index numbers 1910-39.

Unnumbered:

Agricultural statistics, 1936. (Paper cover.) 50c. For sale only.

Agricultural statistics, 1937. (Paper cover.) 50c. For sale only.

Agricultural statistics, 1942. (Paper cover.)

Agricultural statistics, 1943. (Paper cover.)

STORAGE

Circulars:

73 C. The cold storage of eggs and poultry.
 278 C. The commercial storage of fruits, vegetables, and florists' stocks. 10c. For sale only.
 371 C. Development of phoma rot of tomatoes in transit and in storage.
 435 C. Tobacco shrinkages and losses in weight in handling and storage.
 447 C. The freezing temperatures of some fruits, vegetables, and florists' stocks.
 544 C. Methods of ventilating wheat in farm storages. 15c. For sale only.
 553 C. Handling and storing small lots of dates at home.
 587 C. Temperatures of wheat in experimental farm-type storages.
 600 C. Mortality of the apple maggot in fruit held in cold storage.
 613 C. Studies on the respiration of strawberry and raspberry fruits.
 713 C. Freezing injury of fruits and vegetables.

Department Bulletins:

1398 D. Comparative efficiency of wire-basket bunkers in refrigerator cars. 5c. For sale only.

Farmers' Bulletins:

1078 F. Harvesting and storing ice on the farm
 1160 F. Diseases of apples in storage.
 1442 F. Storage of sweetpotatoes.
 1636 F. Farm bulk storage of small grains.
 1939 F. Home storage of fruits and vegetables.

Technical Bulletins:

100 T. Respiration of sorghum grains. 5c. For sale only.
 193 T. Experiments on the processing and storing of Deglet Noor dates in California. 15c. For sale only.
 268 T. Effect of various temperatures on the storage and ripening of tomatoes.
 449 T. Storage of mill cane. 5c. For sale only.
 505 T. Refrigeration of oranges in transit from California. 15c. For sale only.
 590 T. Certain chemical and physical changes produced in Kieffer pears during ripening and storage. 10c. For sale only.
 606 T. Factors influencing the quality of American grapes in storage.
 613 T. Market storage studies of Honey Dew melons and cantaloups.
 680 T. Effect of storage temperatures on peaches.
 768 T. Quality of frozen poultry as affected by storage and other conditions.
 770 T. Investigations on the storage of nuts. 1941.
 771 T. Calorimetric measurements of the heat of respiration of fruits and vegetables.
 776 T. A comparative study of storage at 32° and 36° F. of apples grown in the Potomac River Valley.

TRANSPORTATION

Circulars:

- 371 C. Development of phoma rot of tomatoes in transit and in storage.
- 511 C. Control of black rot of pineapples in transit.
- 515 C. Handling and shipping strawberries without refrigeration.
- 574 C. Studies on the "raisining" of Alexandria (Muscat) grapes in transit.

Department Bulletins:

- 1398 D. Comparative efficiency of wire-basket bunkers in refrigerator cars. 5c. For sale only.
- 1411 D. Expense factors in city distribution of perishables. 10c. For sale only.

Farmers' Bulletins:

- 1551 F. Marketing farm produce by parcel post.

Leaflets:

- 38 L. Maintaining the health of livestock in transit.

Technical Bulletins:

- 243 T. Transporting and handling milk in tanks. 10c. For sale only.
- 272 T. The marketing and distribution of fruits and vegetables by motor trucks.
- 434 T. Refrigerated transportation of Bartlett pears from the Pacific Northwest. 5c. For sale only.
- 505 T. Refrigeration of oranges in transit from California. 15c. For sale only.
- 525 T. Handling, precooling, and transportation of Florida strawberries.
- 550 T. Protection of apples and pears in transit from the Pacific Northwest during the winter months. 10c. For sale only.
- 627 T. Body icing in transit refrigeration of vegetables.
- 668 T. Bruising, freezing, and chemical injury of potatoes in transit. 5c. For sale only.
- 857 T. Stage icing in the refrigeration of oranges in transit from California.

Yearbook Separates:

- 1757 Y. The transportation problem of agriculture. (1940.)

OILS AND FUELS

(Includes production of oil bearing plants. *See also* Forestry and specific animal or crop)

Agricultural War Information Series:

- 9 AWI. Peanuts for oil.
- 10 AWI. Soybeans for oil.
- 46 AWI. How to increase cottonseed oil production.

Bibliographical Bulletins:

- 5 Bib. Bul. Bibliography on butter oil. 10c. For sale only.

Circulars:

- 641 C. Fuel wood used in the United States, 1630-1930.

Farmers' Bulletins:

1249 F. Olive growing in the southwestern United States.
 1520 F. Soybeans: Culture and varieties.
 1555 F. Peppermint and spearmint as farm crops.
 1605 F. Soybean hay and seed production.
 1617 F. Soybean utilization.
 1656 F. Peanut growing.
 1714 F. Corn culture.
 1747 F. Flaxseed production in the North Central States.
 1793 F. Flaxseed production in the far Western States.
 1912 F. Wood fuel in wartime.

Leaflets:

167 L. Facts about cotton.
 204 L. Fats and oils for cooking and table use.

Miscellaneous Publications:

327 MP. Motor fuels from farm products.
 416 MP. Marketing peanuts and peanut products.
 441 MP. Cottonseed: Official grading and market news.

Separates from Agricultural Statistics:

51 SAS. Statistics of grains. (1941.)
 53 SAS. Statistics of fruits, vegetables, melons, and tree nuts. (1941.)
 55 SAS. Statistics of beef cattle, hogs, sheep, horses, and mules. (1941.)
 57 SAS. Foreign trade of the United States in Agricultural products. (1941.)
 75 SAS. Statistics of oilseeds, fats, and oils. (1943.)

Statistical Bulletins:

59 S. Fats, oils, and oleaginous raw materials; production, prices, trade, disappearance in the United States, 1912-35, and available data for earlier years.

Technical Bulletins:

16 T. Methods of extracting volatile oils from plant material and the production of such oils in the United States.
 737 T. Wholesale prices of fats and oils in the United States: Index numbers, 1910-39.
 748 T. Rapid determination of soybean oil content and of iodine number of soybean oil.
 801 T. Insecticidal efficiency of some oils of plant origin. 5c. For sale only.
 844 T. Effect of climate on the yield and oil content of flaxseed and on the iodine number of linseed oil.

Yearbook Separates:

1749 Y. The industrial market for farm products. (1940.)

PLANT INDUSTRIES
CROP CULTURE—GENERAL

(See also Seeds; Weeds; and specific crop)

Circulars:

285 C. Portable refrigeration chambers for studying cold resistance of plants in the field. 5c. For sale only.

Publications are free in limited amounts unless priced. Do not send remittances to the U. S. Department of Agriculture. See page 3.

Circulars—Continued:

412 C. Groups of plants valuable for wildlife utilization and erosion control. 5c. For sale only.

470 C. Performance characteristics of 5- and 6-foot combines.

497 C. Composition of the rhizome, stem, and leaf of some horticultural forms of canna in relation to their possible use. 5c. For sale only.

554 C. Honey and pollen plants of the United States.

559 C. Review and discussion of literature pertinent to crop rotations for erodible soils.

Farmers' Bulletins:

578 F. The making and feeding of silage.

614 F. A Corn-Belt farming system which saves harvest labor by hogging down crops. 5c. For sale only.

1045 F. Laying out fields for tractor plowing. 10c. For sale only.

1588 F. Frost and the prevention of frost damage.

1629 F. Steam sterilization of soil for tobacco and other crops.

1663 F. Winter legumes for green manure in the Cotton Belt.

1673 F. The farm garden.

1743 F. Hotbeds and coldframes.

1750 F. Summer crops for green manure and soil improvement. 5c. For sale only.

1758 F. Cover crops for soil conservation. 5c. For sale only.

1761 F. Harvesting with combines.

1771 F. Preventing soil blowing on the southern Great Plains.

1784 F. Nitrogen-fixing bacteria and legumes.

Leaflets:

165 L. Soil-depleting, soil-conserving and soil-building crops.

188 L. Mulching to establish vegetation on eroded areas of the Southeast.

Miscellaneous Publications:

194 MP. A pasture handbook.

237 MP. Food plants of the North American Indians.

253 MP. Conservation farming practices and flood control.

327 MP. Motor fuels from farm products.

369 MP. The mineral composition of crops with particular reference to the soils in which they were grown.

406 MP. Plants reported resistant or tolerant to root-knot nematode infestation. 15c. For sale only.

471 MP. Crop yields and the weather.

485 MP. Seedtime and harvest today.

495 MP. Plant growth regulators.

507 MP. Day length and crop yields.

Technical Bulletins:

16 T. Methods of extracting volatile oils from plant material and the production of such oils in the United States.

287 T. Farm-management problems in shifting from sack to bulk handling of grain in the Pacific Northwest.

330 T. Rotation and tillage experiments at the Lawton (Okla.) Field Station, 1917-1930. 5c. For sale only.

490 T. Explosibility of agricultural and other dusts as indicated by maximum pressure and rates of pressure and rates of pressure rise.

536 T. Crop rotation and tillage experiments at the Northern Great Plains Field Station, Mandan, N. Dak.

648 T. Comparative susceptibility of crop plants to sodium chlorate injury. 10c. For sale only.

713 T. Types of vegetation in Escalante Valley, Utah, as indicators of soil conditions.

727 T. Further observations on the response of various species of plants to length of day. 20c. For sale only.

732 T. Arsenic distribution in soils and its presence in certain plants.

834 T. Morphology and composition of some soils of the Miami family and Miami catena.

867 T. Responses of beans (*Phaseolus*) and other legumes to length of day.

Yearbooks:

1936 YB. Better plants and animals—I. \$1.25. For sale only.

1937 YB. Better plants and animals—II. \$2.00. For sale only.

Yearbook Separates:

1801 Y. Effects of climatic factors on growing plants. (1941.)

Unnumbered:

Range plant handbook. \$3.00. For sale only.

Diseases: Crops—General**Agricultural War Information Series:**

15 AWI. Substitutes for scarce materials.

Miscellaneous Publications:

406 MP. Plants reported resistant or tolerant to root knot nematode infestation. 15c. For sale only.

499 MP. Fungi reported on species of *Medicago*, *Melilotus*, and *Trifolium*.

525 MP. Victory gardener's handbook on insects and diseases.

Technical Bulletins:

313 T. Studies on physiologic specialization in *Puccinia triticina*.

Yearbook Separates:

1813 Y. Climate and plant diseases. (1941.)

Publications are free in limited amounts unless priced. Do not send remittances to the U. S. Department of Agriculture. See page 3.

Insects and Other Pests: Crops—General
 (See also specific crop)

Circulars:

- 246 C. Life history and control of the Asiatic garden beetle.
- 301 C. The cyclamen mite and the broad mite and their control. 5c. For sale only.
- 387 C. Distribution of the Argentine ant in the United States and suggestions for its control or eradication.
- 416 C. Land improvement measures in relation to a possible control of the beet leaf-hopper and curlytop.
- 494 C. The Texas leaf-cutting ant and its control.
- 594 C. The use of traps against the Japanese beetle.

Farmers' Bulletins:

- 1566 F. The sorghum midge, with suggestions for control.
- 1627 F. The hessian fly and how losses from it can be avoided.
- 1668 F. The red harvester ant and how to subdue it.
- 1798 F. Control of common white grubs in cereal and forage crops.
- 1828 F. Grasshoppers and their control.
- 1856 F. The Japanese beetle and its control.
- 1866 F. Wireworms and their control on irrigated lands.

Leaflets:

- 212 L. The sand wireworm.

Technical Bulletins:

- 81 T. The hessian fly in California. 5c. For sale only.
- 86 T. Imported insect enemies of the gypsy moth and the brown-tail moth. 50c. For sale only.
- 198 T. Relative insecticidal value of commercial grades of pyrethrum. 5c. For sale only.
- 255 T. Life history of the codling moth in the Rogue River Valley of Oregon. 10c. For sale only.
- 274 T. Hot water as an insecticide for the Japanese beetle in soil and its effect on the roots of nursery plants. 15c. For sale only.
- 308 T. Biology of some Japanese and Chosenese grub parasites (Scoliidae).
- 325 T. Biology and control of the black vine weevil. 5c. For sale only.
- 361 T. The hessian fly in the Pacific Northwest. 5c. For sale only.
- 366 T. Further investigations of the parasites of *Popillia japonica* in the Far East. 5c. For sale only.
- 427 T. The use of naphthalene against the Japanese beetle. 5c. For sale only.
- 659 T. The sand wireworm and its control in the South Carolina coastal plain. 10c. For sale only.

Technical Bulletins—Continued.

744 T. Life history of the sugar-beet wireworm in southern California. 15c. For sale only.

766 T. The European earwig.

788 T. Relative effectiveness of acid lead arsenate and other materials as stomach poisons for the larvae of the Japanese beetle.

Picture Sheets:

No. 4. The Japanese beetle. 5 3/4 by 9 1/4 inches. Colored.

No. 12. Fall armyworm. 5 3/4 by 9 1/4 inches. Colored.

Marketing: Crops—General

(See also Department Organization; Laws—Rules—Regulations; Marketing Research; specific crop; Bureau List; Agricultural Adjustment Agency, Office of Marketing Services and Farm Credit Administration)

Circulars:

249 C. American tobacco types, uses, and markets.

Farmers' Bulletins:

1551 F. Marketing farm produce by parcel post.

Leaflets:

68 L. Roadside markets.

73 L. Is the public market a good civic investment?

Separates from Agricultural Statistics:

82 SAS. Miscellaneous agricultural statistics. (1943.)

Statistical Bulletins:

59 S. Fats, oils, and oleaginous raw materials; Production, prices, trade, disappearance in the United States, 1912-35, and available data for earlier years.

Technical Bulletins:

737 T. Wholesale prices of fats and oils in the United States: Index numbers, 1910-39.

Yearbook Separates:

1147 Y. Crop and livestock production trends. (1931.) 10c. For sale only.

DRUG AND RELATED PLANTS**Circulars:**

46 C. Methods of collecting and preserving pollen for use in the treatment of hay-fever. 5c. For sale only.

581 C. Harvesting pyrethrum.

Department Bulletins:

706 D. American sumac: A valuable tanning material and dye-stuff.

Farmers' Bulletins:

613 F. Goldenseal under cultivation.

663 F. Drug plants under cultivation.

1184 F. Ginseng culture.

1231 F. Drying crude drugs.

1555 F. Peppermint and spearmint as farm crops.

Publications are free in limited amounts unless priced. Do not send remittances to the U. S. Department of Agriculture. See page 3.

Miscellaneous Publications:

77 MP. American medicinal plants of commercial importance.

Technical Bulletins:

16 T. Methods of extracting volatile oils from plant material and the production of such oils in the United States.

378 T. Commercial possibilities of Japanese mint in the United States as a source of natural mint.

566 T. Western hemlock bark an important potential tanning material.

595 T. Studies on the possibilities of devil's shoe-string (*Tephrosia virginiana*) and other native species of *Tephrosia* as commercial sources of insecticides.

DRY-LAND FARMING

(See also Crop Culture—General)

Circulars:

564 C. Dry land crops at the Dalhart (Texas) Field Station.

700 C. Dry land rotation and tillage experiments at the Akron (Colorado) Field Station. 10c. For sale only.

Department Bulletins:

1139 D. Storage of water in soil and its utilization by spring wheat. 5c. For sale only.

1446 D. Cost of producing winter wheat and incomes from wheat farming in Sherman County, Oreg. 10c. For sale only.

Farmers' Bulletins:

1126 F. Sudan grass.

1162 F. Proso or hog millet.

1545 F. Dry-farming methods and practices in wheat growing in Columbia and Snake River Basins. 5c. For sale only.

1611 F. Oats in the western half of the United States.

1631 F. Broomcorn growing and handling.

1771 F. Preventing soil blowing on the southern Great Plains.

1797 F. Implements and methods of tillage to control soil blowing on the northern Great Plains.

Technical Bulletins:

307 T. Crested wheatgrass as compared with bromegrass, slender wheatgrass, and other hay and pasture crops for the northern Great Plains. 5c. For sale only.

330 T. Rotation and tillage experiments at the Lawton (Okla.) Field Station. 5c. For sale only.

353 T. Agricultural investigations at the Huntley (Mont.) Field Station, 1927-30. 10c. For sale only.

Technical Bulletins—Continued.

454 T. Agricultural investigations at the Belle Fourche (S. Dak.) Field Station, 1926-32. 5c. For sale only.

502 T. The chemical and physical properties of dry-land soils and their colloids.

536 T. Crop rotation and tillage experiments at the northern Great Plains Field Station, Mandan, N. Dak.

556 T. Soil conservation reconnaissance survey of the southern Great Plains wide-erosion area.

589 T. Sources of moisture for precipitation in the United States.

617 T. Conservation and use of soil moisture at Mandan, N. Dak.

636 T. Correlations between annual precipitation and the yield of spring wheat in the Great Plains.

FIBER CROPS**COTTON****Agricultural War Information Series:**

46 AWI. How to increase cottonseed oil production.

Circulars:

78 C. Condition of farmers in a white-farmer area of the cotton piedmont, 1924-1926. 10c. For sale only.

258 C. Farmer opinions and other factors influencing cotton production and acreage adjustments in the South.

393 C. Care and maintenance of cotton-gin saws and ribs.

467 C. Care and repair of cotton-gin brushes.

510 C. Air-blast gin performance and maintenance.

540 C. Cotton tillage studies on Red Bay sandy loam.

601 C. Reducing power waste in operating cotton gins.

621 C. A practical seed-cotton moisture tester for use at gins.

646 C. Pure-seed production of Egyptian-type cotton.

651 C. Effects of artificially drying seed cotton on certain quality elements of cottonseed in storage.

693 C. Ratooned S \times P Cotton.

Farmers' Bulletins:

1384 F. Community cotton production. 5c. For sale only.

1661 F. Farm study of the cotton plant.

1686 F. Common errors in cotton production.

1748 F. Ginning cotton.

1802 F. Modernizing cotton gins.

Leaflets:

151 L. Effects of feeds and saw speeds on cotton turn-out and quality.

167 L. Facts about cotton.

169 L. Preventing gin damage to cotton.

Leaflets—Continued.

- 181 L. Drying seed cotton.
- 198 L. Cottonseed treatment.
- 211 L. Cotton from boll to bale.
- 216 L. Cotton-gin maintenance.
- 217 L. Cotton ginning for pure-seed preservation.

Miscellaneous Publications:

- 239 MP. The vertical drier for seed cotton.
- 242 MP. Development and use of standards for grade, color, and character of American cotton linters.
- 314 MP. Overhead cleaner-drying systems for seed cotton.
- 385 MP. Sources of heat for cotton drying. 5c. For sale only.
- 427 MP. Questions and answers on the cotton mattress program. 5c. For sale only.
- 445 MP. The work of the United States Cotton Ginning Laboratory.
- 518 MP. Fiber production in the Western Hemisphere.

Technical Bulletins:

- 451 T. Cotton production in Egypt. 5c. For sale only.
- 452 T. Experiments with nitrogen fertilizers on cotton soils.
- 503 T. Effects of gin-saw speed and seed-roll density on quality of cotton lint and operation of gin stands. 10c. For sale only.
- 508 T. Effect of artificially drying seed cotton before ginning on certain quality elements of the lint and seed and on the operation of the gin stand. 10c. For sale only.
- 545 T. Methods for the measurement of certain character properties of raw cotton.
- 645 T. Manufacturing and serviceability tests on sheetings made from two selected mill types of cotton. 10c. For sale only.
- 663 T. Effect of cleaning seed cotton on lint quality and ginning efficiency.
- 710 T. Differential growth rates in cotton varieties and their response to seasonal conditions at Greenville, Tex. 10c. For sale only.
- 734 T. Anatomical structure of the cottonseed coat as related to problems of germination. 5c. For sale only.
- 878 T. Neps in cotton yarns as related to variety, location, and season of growth.

Yearbook Separates:

- 1578 Y. Plant breeding and the cotton industry. (1936.) 10c. For sale only.
- 1805 Y. Climate and cotton. (1941.) 5c. For sale only.

Diseases: Cotton**Farmers' Bulletins:**

- 1745 F. Cotton diseases and methods of control.

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Technical Bulletins:

436 T. Cotton root rot as affected by crop rotation and tillage at San Antonio, Tex. 10c. For sale only.

515 T. The effect of crazy top disorder on cotton plants and its control by irrigation management. 10c. For sale only.

835 T. Experiments toward the control of the take-all disease of wheat and the *Phymatotrichum* root rot of cotton.

Insects and Other Pests: Cotton

Agricultural War Information Series:

38 AWI. Save cotton by controlling insects.

Farmers' Bulletins:

831 F. The red spider on cotton and how to control it.

1688 F. Insect enemies of the cotton plant.

1729 F. Machinery for dusting cotton.

1828 F. Grasshoppers and their control.

Leaflets:

212 L. The sand wireworm.

Miscellaneous Publications:

484 MP. Cotton or boll weevils.

Technical Bulletins:

4 T. *Lygus elisus*: A pest of the cotton regions in Arizona and California. 5c. For sale only.

19 T. Parasites of the pink bollworm in Hawaii. 5c. For sale only.

296 T. Feeding punctures of mirids and other plant-sucking insects and their effect on cotton.

486 T. Cotton boll weevil survival and emergence in hibernation cages in Louisiana. 5c. For sale only.

623 T. Fumigation of baled cotton with hydrocyanic acid for the pink bollworm. 10c. For sale only.

642 T. The field cricket in relation to the cotton plant in Louisiana. 10c. For sale only.

659 T. The sand wireworm and its control in the South Carolina coastal plain. 10c. For sale only.

Picture Sheets:

No. 12. Fall armyworm. 5 3/4 by 9 1/4 inches. Colored.

Marketing: Cotton and Cotton Products

(See also Bureau List: Office of Marketing Services and Agricultural Research Administration)

Circulars:

144 C. Farmers' experiences and opinions as factors influencing their cotton-marketing methods. 10c. For sale only.

Publications are free in limited amounts unless priced. Do not send remittances to the U. S. Department of Agriculture. See page 3.

Commodity Statistics:

2 CS. Cotton futures statistics, August 1941-July 1942.
 5 CS. Cotton quality statistics, United States, 1942-43.

Leaflets:

241 L. Preventing cotton-press damage.

Miscellaneous Publications:

242 MP. Development and use of standards for grade, color, and character of American cotton linters.
 441 MP. Cottonseed: Official grading and market news.
 527 MP. Packing of cotton at gins for uniform density.

Separates from Agricultural Statistics:

52 SAS. Statistics of cotton, sugar, and tobacco. (1941.)
 74 SAS. Statistics of cotton, sugar, and tobacco. (1943.)

Statistical Bulletins:

45 S. Grade and staple length of cotton carried over in the United States as related to the domestic supply, 1928-29 to 1931-32.
 47 S. Grade, staple length, and tenderability of cotton in the United States, 1928-29 to 1932-33. 10c. For sale only.
 52 S. Grade, staple length, and tenderability of cotton in the United States, 1928-29 to 1933-34.
 56 S. Grade, staple length, and tenderability of cotton in the United States, 1928-29 to 1934-35.

Technical Bulletins:

50 T. Factors affecting the price of cotton.
 423 T. Fluctuations in prices of cotton futures contracts. 5c. For sale only.
 493 T. Farm prices of cotton related to its grade and staple length in the United States, seasons 1928-29 to 1932-33. 10c. For sale only.
 545 T. Methods for the measurement of certain character properties of raw cotton.
 602 T. Relation of spot cotton prices to prices of futures contracts and protection afforded by trading in futures.
 662 T. Cotton sold in the seed in the United States. 5c. For sale only.
 685 T. Cotton prices in spot and futures markets.
 699 T. Cotton prices in relation to cotton classification service and to quality improvement. 10c. For sale only.
 755 T. Cotton-price relationships and outlets for American cotton. 5c. For sale only.

OTHER FIBER CROPS
(See also Seeds)

Agricultural War Information Series:

94 AWI. Your country's armed services need milkweed floss.

Bibliographical Bulletins:

2 Bib. Bul. A summary of the literature on milkweeds (*Asclepias* spp.) and their utilization.

Circulars:

378 C. A practical laboratory method of making thin cross sections of fibers.

585 C. Ramie fiber production.

Farmers' Bulletins:

1631 F. Broomcorn: Growing and handling.

1728 F. Flax-fiber production.

1747 F. Flaxseed production in the North Central States.

1793 F. Flaxseed production in the Far Western States.

1935 F. Hemp.

Miscellaneous Publications:

518 MP. Fiber production in the Western Hemisphere.

Technical Bulletins:

458 T. Histological characters of flax roots in relation to resistance to wilt and root rot. 5c. For sale only.

844 T. Effect of climate on the yield and oil content of flaxseed and on the iodine number of linseed oil.

Yearbook Separates:

1579 Y. Improvement in flax. (1936.) 10c. For sale only.

Insects: Other Fiber Crops

Farmers' Bulletins:

1828 F. Grasshoppers and their control.

Marketing: Other Fiber Crops

Agricultural War Information Series:

37 AWI. 6 steps in grading flaxseed.

FORAGE CROPS

(See also Crop Culture—General; Seeds; and specific crop)

GENERAL

Agricultural War Information Series:

62 AWI. Forage for all feeding.

67 AWI. Legume cover crops to boost production in the South.

97 AWI. Making high-grade hay.

Circulars:

62 C. The utilization of browse forage as summer range for cattle in southwestern Utah.

443 C. Artificial drying of forage crops.

666 C. Influence of lime and fertilizers on pasture establishment.

703 C. Method of testing legume bacteria cultures and results of tests of commercial inoculants in 1943.

Farmers' Bulletins:

- 578 F. The making and feeding of silage.
- 1615 F. Hay stackers and their use.
- 1663 F. Winter legumes for green manure in the Cotton Belt.
- 1699 F. Growing root crops for livestock.
- 1725 F. Methods and costs of filling silos in the North Central States.
- 1761 F. Harvesting with combines.
- 1784 F. Nitrogen-fixing bacteria and legumes.
- 1900 F. Pastures to hold and enrich the soil.
- 1942 F. Good pastures.

Leaflets:

- 163 L. Legumes in soil conservation practices.
- 238 L. Making grass silage by the wilting method.

Miscellaneous Publications:

- 101 MP. Important western browse plants.
- 194 MP. A pasture handbook. 10c. For sale only.
- 363 MP. Hay quality: Relation to production and feed value.
- 412 MP. Legumes for erosion control and wildlife.
- 437 MP. Testing farm seeds in home and school. 15c. For sale only.

Technical Bulletins:

- 419 T. Forage-crop field experiments at West Point, Miss.
- 547 T. Effect of different methods of grazing on native vegetation and gains of steers in northern Great Plains.
- 805 T. Experiments with annual crops and permanent pastures to provide grazing for dairy cows in the Sandhill regions of the Southeast.
- 818 T. Growth and carbohydrate content of important mountain forage plants in central Utah as affected by clipping and grazing.
- 867 T. Responses of beans (*Phaseolus*) and other legumes to length of day.

Yearbook Separates:

- 1721 Y. Losses in making hay and silage. (1939.)
- 1810 Y. Climate and forage crops. (1941.)
- 1811 Y. Climate and grazing. (1941.)

Insects and Other Pests: Forage Crops—General
(See also under specific crop)**Circulars:**

- 494 C. The Texas leaf-cutting ant and its control.

Farmers' Bulletins:

- 1003 F. How to control billbugs destructive to cereal and forage crops.
- 1258 F. Webworms injurious to cereal and forage crops, and their control.
- 1780 F. How to fight the chinch bug.
- 1798 F. Control of common white grubs in cereal and forage crops.
- 1828 F. Grasshoppers and their control.
- 1850 F. The armyworm and its control.
- 1866 F. Wireworms and their control on irrigated lands.

Miscellaneous Publications:

499 MP. Fungi reported on species of *Medicago*, *Melilotous*, and *Trifolium*.

Technical Bulletins:

659 T. The sand wireworm and its control in the South Carolina coastal plain. 10c. For sale only.

Marketing: Forage Crops—General
(See also under specific crop)

Farmers' Bulletins:

1700 F. Marketing hay by modern methods. 5c.
For sale only.

Leaflets:

72 L. Measuring hay in stacks.

Separates from Agricultural Statistics:

77 SAS. Statistics of hay, seeds, and minor field crops. (1943.)

ALFALFA

(See also Forage Crops—General)

Circulars:

629 C. Soybean and Korean lespedeza hays compared with alfalfa for wintering beef calves.

Department Bulletins:

1424 D. Comparative shrinkage in weight of alfalfa cured with leaves attached and removed. 5c. For sale only.

Farmers' Bulletins:

1539 F. High-grade alfalfa hay: Methods of producing, baling, and loading for market.
1630 F. Irrigation practices in growing alfalfa.
1722 F. Growing alfalfa.
1731 F. Alfalfa varieties in the United States.
1839 F. The uses of alfalfa.

Technical Bulletins:

632 T. Loss, during storage, of vitamin A from alfalfa leaf meals fed to chickens.
635 T. Comparison of alfalfa and western wheat-grass hays for wintering yearling heifers in the northern Great Plains and their influence on summer gains.
701 T. Alfalfa experiments at Stoneville, Miss., 1935-37.
739 T. Yield, chemical composition, and feeding value for milk production of alfalfa hay cut at three stages of maturity. 10c. For sale only.

Diseases: Alfalfa**Department Circulars:**

297 DC. The eelworm disease: A menace to alfalfa in America. 5c. For sale only.

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Insects and Other Pests: Alfalfa

Miscellaneous Publications:

499 MP. Fungi reported on species of *Medicago*, *Melilotus* and *Trifolium*.

Farmers' Bulletins:

944 F. Controlling the garden webworm in alfalfa fields.
 982 F. Control of the green clover worm in alfalfa fields.
 1094 F. The alfalfa caterpillar.
 1642 F. Chalcid control in alfalfa-seed production.
 1930 F. Prevention and control of alfalfa weevil damage.

Leaflets:

229 L. The potato leafhopper, a pest of alfalfa in the Eastern States.

Picture Sheets:

No. 12. Fall armyworm. 5 3/4 by 9 1/4 inches. Colored.

Technical Bulletins:

741 T. Three species of the genus *Lygus* and their relation to alfalfa seed production in southern Arizona and California. 5c. For sale only.

Marketing: Alfalfa

Farmers' Bulletins:

1539 F. High-grade alfalfa hay: Methods of producing, baling, and loading for market.

CLOVER

(See also Forage Crops--General)

Farmers' Bulletins:

1151 F. Alsike clover.
 1339 F. Red-clover culture. 5c. For sale only.
 1653 F. Sweetclover in Corn Belt farming.
 1910 F. Ladino white clover for the Northeastern States.
 1929 F. Persian clover.

Leaflets:

23 L. Sweetclover.
 93 L. Red-clover seed production in the Intermountain States.
 110 L. Why red clover fails. 5c. For sale only.
 119 L. White clover.
 160 L. Crimson clover.
 176 L. Strawberry clover.

Diseases: Clover

Leaflets:

98 L. Red-clover failure in relation to anthracnose in the southern part of the clover belt.

Insects and Other Pests: Clover

Farmers' Bulletins:

971 F. The control of the clover-flower midge.
 1484 F. The clover leaf weevil and its control.

Publications are free in limited amounts unless priced. Do not send remittances to the U. S. Department of Agriculture. See page 3.

GRASSES

(See also Forage Crops—General)

Agricultural War Information Series:

43 AWI. Grass seed production.

Circulars:

328 C. Methods of re-establishing buffalo grass on cultivated land in the Great Plains.

491 C. Grass culture and range improvement in the central and southern Great Plains. 10c. For sale only.

558 C. Processing seed of grasses and other plants to remove awns and appendages.

655 C. Basis for judging subalpine grassland ranges of Oregon and Washington.

705 C. Comparison of native grasses and crested wheatgrass and of supplements for beef cattle in the northern Great Plains.

Department Bulletins:

461 D. The identification of grasses by their vegetative characters. 5c. For sale only.

772 D. The genera of grasses of the United States. 35c. For sale only.

Farmers' Bulletins:

1126 F. Sudan grass.

1254 F. Important cultivated grasses.

1433 F. Cultivated grasses of secondary importance.

1597 F. The production of Johnson grass for hay and pasturage.

1602 F. Reed canary grass.

1812 F. Native and adapted grasses for conservation of soil and moisture in the Great Plains and Western States.

Leaflets:

99 L. Huron timothy.

104 L. Crested wheatgrass.

115 L. Timothy seed production.

171 L. The timothy crop.

180 L. How to keep and increase black grama on southwestern ranges.

196 L. The ryegrasses.

215 L. How to graze blue grama on southeastern ranges.

Miscellaneous Publications:

243 MP. Manual of the grasses of the West Indies.

Technical Bulletins:

307 T. Crested wheatgrass as compared with bromegrass, slender wheatgrass, and other hay and pasture crops for the northern Great Plains. 5c. For sale only.

352 T. Sudan grass as hay, silage, and pasture for dairy cattle.

549 T. Drought survival of native grass species in the central and southern Great Plains, 1935. 10c. For sale only.

598 T. The relation of growth to the varying carbohydrate content in mountain brome.

Technical Bulletins—Continued.

635 T. Comparison of alfalfa and western wheat-grass hays for wintering yearling heifers in the northern Great Plains and their influence on summer gains.

638 T. Temperature and other factors affecting the germination of fescue seed.

670 T. Relation of temperature and moisture content to longevity of Chewings fescue seed.

681 T. The effect of intensity and frequency of clipping on density and yield of black grama and tobosa grass.

Yearbook Separates:

1594 Y. Improvement of timothy. (1937.)

Insects and Other Pests: Grasses**Farmers' Bulletins:**

752 F. The fall armyworm, or "grass worm," and its control.

1850 F. The armyworm and its control.

Picture Sheets:

No. 12. Fall armyworm. 5 3/4 by 9 1/4 inches. Colored.

Technical Bulletins:

778 T. The biology and control of the sorghum midge. 10c. For sale only.

Marketing: Grasses**Farmers' Bulletins:**

1574 F. Preparing Johnson hay for market in the Black Prairie Belt of Alabama and Mississippi.

SOYBEANS

(See also Forage Crops—General)

Agricultural War Information Series:

10 AWI. Soybeans for oil.

71 AWI. Save weather-damaged soybeans.

92 AWI. Soil conservation aids soybean production.

BAE-Extension Fliers:

5 BAE-Ext. Soybean oil and the war.

7 BAE-Ext. Soybeans go to war.

Circulars:

629 C. Soybean and Korean lespedeza hays compared with alfalfa for wintering beef calves.

Farmers' Bulletins:

1520 F. Soybeans: Culture and varieties.

1605 F. Soybean hay and seed production.

1617 F. Soybean utilization.

1937 F. Soybean diseases and their control.

Miscellaneous Publications:

534 MP. Soybeans and soybean products as food.

Technical Bulletins:

748 T. Rapid determination of soybean oil content and of iodine number of soybean oil.

787 T. Influence of varieties, element, and fertility level on the chemical composition of soybean seed.

Diseases: Soybeans**Farmers' Bulletins:**

1937 F. Soybean diseases and their control.

Insects and Other Pests: Soybeans**Leaflets:**

12 L. The striped blister beetle on soybeans. 5c.
For sale only.

Marketing: Soybeans**Agricultural War Information Series:**

35 AWI. 9 Steps in grading soybeans.

OTHER FORAGE CROPS

(See also Forage Crops—General)

Agricultural War Information Series:

67 AWI. Legume cover crops to boost production in the South.

Circulars:

534 C. *Lespedeza sericea* and other perennial lespedezas for forage and soil conservation.
536 C. The annual lespedezas as forage and soil conserving crops.
617 C. Tests of species and varieties of vetch for resistance to the vetch bruchid. 5c. For sale only.
625 C. Birdsfoot trefoil and big trefoil.
629 C. Soybean and Korean lespedezas hays compared with alfalfa for wintering beef calves.

Farmers' Bulletins:

1148 F. Cowpeas: Culture and varieties.
1153 F. Cowpeas: Utilization.
1276 F. The velvetbean.
1740 F. Vetch culture and uses.
1741 F. Bur-clover cultivation and utilization.
1803 F. Culture and pests of field peas.
1840 F. Kudzu for erosion control in the Southeast.
1844 F. The culture and use of sorghums for forage.
1852 F. Lespedeza culture and utilization.
1923 F. Kudzu as a farm crop.

Leaflets:

114 L. Vine-mesquite for erosion control on southwestern ranges.
223 L. Growing field beans in humid areas.
240 L. Kobe, a superior lespedezza.

Technical Bulletins:

292 T. The inheritance of colored scutellums in maize. 10c. For sale only.

Diseases: Other Forage Crops**Circulars:**

565 C. Austrian winter field pea diseases and their control in the South.

Farmers' Bulletins:

1735 F. Pea diseases and their control.

Publications are free in limited amounts unless priced. Do not send remittances to the U. S. Department of Agriculture. See page 3.

Technical Bulletins:

704 T. Bacterial wilt of lespedeza.

Insects and Other Pests: Other Forage Crops**Circulars:**

555 C. Fumigation of vetch seed for the vetch bruchid.

617 C. Tests of species and varieties of vetch for resistance to the vetch bruchid. 5c. For sale only.

Farmers' Bulletins:

1275 F. Weevils in beans and peas.

1624 F. The Mexican bean beetle in the East, and its control.

Picture Sheets:

No. 2. Mexican bean beetle. 5 3/4 by 9 1/4 inches. Colored.

Technical Bulletins:

593 T. The bean weevil and the southern cowpea weevil in California. 10c. For sale only.

778 T. The biology and control of the sorghum midge. 10c. For sale only.

Marketing: Other Forage Crops**Farmers' Bulletins:**

1308 F. Marketing the cowpea seed crop.

FRUITS

(See also Crop Culture—General; Seeds; Weeds; and specific crop)

GENERAL**Department Bulletins:**

1025 D. Studies in the clarification of unfermented fruit juices.

Farmers' Bulletins:

727 F. Growing fruit for home use in the Great Plains area.

1001 F. Growing fruit for home use.

1369 F. Bridge grafting.

1518 F. Orchard irrigation.

1522 F. The home fruit garden on the northern Great Plains.

1588 F. Frost and the prevention of frost damage.

1696 F. Deciduous-fruit improvement through tree-performance records.

1870 F. Pruning hardy fruit plants.

Leaflets:

172 L. Why fruit trees fail to bear.

178 L. Dwarf fruits.

202 L. Grafting-wax melter.

218 L. The home fruit garden in the East Central and Middle Atlantic States.

219 L. The home fruit garden in the Southeastern and Central Southern States.

221 L. The home fruit garden in the Central Southwestern States.

Publications are free in limited amounts unless priced. Do not send remittances to the U. S. Department of Agriculture. See page 3.

Leaflets—Continued.

222 L. The home fruit garden in the Northern Great Plains, Northern Mountain, and Intermountain States.

224 L. The home fruit garden in the Pacific Coast States and Arizona.

227 L. The home fruit garden in the Northeastern and North Central States.

Yearbook Separates:

1808 Y. Climatic adaptation of fruit and nut crops (1941.)

Diseases: Fruits—General
(See also specific crop)**Circulars:**

685 C. Harvest sprays for the control of fruit drop.

Farmers' Bulletins:

1435 F. Diseases of stone fruits on the markets. 5c.
For sale only.

Miscellaneous Publications:

228 MP. Market diseases of fruits and vegetables: Peaches, plums, cherries, and other stone fruits.

498 MP. Market diseases of fruits and vegetables: Citrus and other subtropical fruits.

Technical Bulletins:

519 T. Transit and storage diseases of fruits and vegetables as affected by carbon dioxide treatment.

Insects and Other Pests: Fruits—General
(See also specific crop)**Circulars:**

246 C. Life history and control of the Asiatic garden beetle.

270 C. Orchard insects of the Pacific Northwest and their control.

494 C. The Texas leaf-cutting ant and its control.

561 C. Importation, rearing, and colonization of parasites of the oriental fruit moth.

594 C. The use of traps against the Japanese beetle.

Farmers' Bulletins:

763 F. Orchard bark beetles and pinhole borers, and how to control them.

1128 F. Control of aphids injurious to orchard fruits, currant, gooseberry, and grape.

1676 F. Lubricating-oil sprays for use on dormant fruit trees.

1856 F. The Japanese beetle and its control.

Leaflets:

161 L. The eastern tent caterpillar.

183 L. Canker worms.

Miscellaneous Publications:

439 MP. The fruitflies of the genus *Anastrepha*.

526 MP. Insecticides and equipment for controlling insects on fruits and vegetables.

Technical Bulletins:

86 T. Imported insect enemies of the gipsy moth and the brown-tail moth. 50c. For sale only.

90 T. Life history of the codling moth in northern Georgia. 20c. For sale only.

215 T. A biological study of *Trichogramma minutum* Riley as an egg parasite of the oriental fruit moth. 5c. For sale only.

255 T. Life history of the codling moth in the Rogue River Valley of Oregon. 10c. For sale only.

400 T. Observations on the thermal death points of *Anastrepha ludens* (Loew). 5c. For sale only.

444 T. Studies on the Mexican fruit fly, *Anastrepha ludens* (Loew). 5c. For sale only.

775 T. The yellow chapote, a native host of the Mexican fruit fly.

788 T. Relative effectiveness of acid lead arsenate and other materials as stomach poisons for the larvae of the Japanese beetle.

Marketing: Fruits—General

(See also Bureau List: Office of Marketing Services, and specific crop)

Agricultural War Information Series:

33 AWI. Salvage and re-use of fruit and vegetable containers.

Circulars:

253 C. Spoilage of stone fruits on the market.

278 C. The commercial storage of fruits, vegetables, and florists' stocks. 10c. For sale only.

447 C. The freezing temperatures of some fruits, vegetables, and florists' stocks.

627 C. Fruit pressure testers and their practical application.

713 C. Freezing injury of fruits and vegetables. 10c. For sale only.

Farmers' Bulletins:

1752 F. Spray-residue removal from apples and other fruits.

1821 F. Containers for fruits and vegetables.

Miscellaneous Publications:

75 MP. Method of testing the capacity of fruit and vegetable containers under the United States Standard Container Acts. 5c. For sale only.

167 MP. A fruit and vegetable buying guide for consumers.

460 MP. The ABC of canned fruit and vegetable labeling.

Separates from Agricultural Statistics:

53 SAS. Statistics of fruits, vegetables, melons, and tree nuts. (1941.)

76 SAS. Statistics of fruits, vegetables, melons, and tree nuts. (1943.)

Statistical Bulletins:

30 S. Car-lot shipments and unloads of important fruits and vegetables for the calendar years 1927 and 1928. 25c. For sale only.

35 S. Car-lot shipments of fruits and vegetables from stations in the United States for the calendar years 1928 and 1929. 25c. For sale only.

38 S. Car-lot shipments and unloads for important fruits and vegetables for the calendar years 1929 and 1930. 15c. For sale only.

42 S. Car-lot shipments of fruits and vegetables from stations in the United States for the calendar years 1930 and 1931. 10c. For sale only.

46 S. Car-lot shipments and unloads of important fruits and vegetables for the calendar years 1931 and 1932.

53 S. Car-lot shipments and unloads of nineteen important fruits and vegetables for the calendar years 1933 and 1934.

Technical Bulletins:

272 T. The marketing and distribution of fruits and vegetables by motortruck.

318 T. Effect of solid and gaseous carbon dioxide upon transit diseases of certain fruits and vegetables. 10c. For sale only.

445 T. Market distribution of carlot shipments of fruits and vegetables in the United States.

771 T. Calorimetric measurements of the heat of respiration of fruits and vegetables.

Unnumbered:

The wholesale fruit and vegetable markets of New York City.

APPLES

(See also Fruits—General)

Circulars:

579 C. The relation of firmness to ripeness of eastern-grown apples.

627 C. Fruit pressure testers and their practical applications.

659 C. Handling apples from tree to table.

711 C. Picking maturity of apples.

Department Bulletins:

1455 D. Incomes from farming and cost of apple production in the Shenandoah Valley, Frederick County, Va. 10c. For sale only.

Farmers' Bulletins:

1264 F. Farm manufacture of unfermented apple juice. 10c. For sale only.

1883 F. Apple varieties and important producing sections of the United States.

1897 F. Young apple orchards, establishing and managing.

Technical Bulletins:

792 T. Investigations on the cause and control of biennial bearing of apple trees.

Diseases: Apples

Department Bulletins:

1104 D. Internal browning of the Yellow Newtown apple. 10c. For sale only.

Farmers' Bulletins:

938 F. Apple bitter-rot and its control.
 1120 F. Control of apple powdery mildew.
 1160 F. Diseases of apples in storage.
 1380 F. Apple scald and its control.
 1478 F. Apple scab.
 1479 F. Apple blotch.

Leaflets:

187 L. Blight of pears, apples, and quinces.

Insects and Other Pests: Apples

Circulars:

600 C. Mortality of the apple maggot in fruit held in cold storage.
 606 C. Observations on the biology and control of the treehopper *Heliria praealta* (Fowler) in orchards of the Pacific Northwest.

Farmers' Bulletins:

675 F. The roundheaded apple-tree borer.
 1065 F. The flat-headed apple-tree borer.

Leaflets:

161 L. The eastern tent caterpillar.

Technical Bulletins:

263 T. The leaf hoppers attacking apple in the Ozarks. 10c. For sale only.

Marketing: Apples

(See also Bureau List: Office of Marketing Services)

Circulars:

91 C. Market supplies and prices of apples.
 579 C. The relation of firmness to ripeness of eastern-grown apples.

Department Circulars:

413 DC. Extent and causes of rejections of boxed apples from the State of Washington, seasons 1922 to 1925. 5c. For sale only.

Farmers' Bulletins:

1204 F. Northwestern apple packing houses.
 1457 F. Packing apples in boxes.
 1695 F. Preparing apples for market in barrels and baskets.
 1752 F. Spray-residue removal from apples and other fruits.

Technical Bulletins:

234 T. Marketing apples grown in the Cumberland-Shenandoah region of Pennsylvania, Virginia, and West Virginia. 10c. For sale only.
 245 T. Arsenical and other fruit injuries of apples resulting from washing operations.

Technical Bulletins—Continued.

523 T. Transportation of apples from the Shenandoah-Cumberland section to overseas markets. 5c. For sale only.

550 T. Protection of apples and pears in transit from the Pacific Northwest during the winter months. 10c. For sale only.

559 T. Influence of packing and handling methods on condition of apples barreled for export.

622 T. Removal of lead spray residues from apples grown in the Shenandoah-Cumberland Valley.

776 T. A comparative study of storage at 32° and 36° F. of apples grown in the Potomac River Valley.

828 T. Further studies on the removal of spray residues from eastern-grown apples.

BERRIES*(See also Fruits—General)***Circulars:**

93 C. The Blakemore strawberry. 10c. For sale only.

171 C. The Bellmar, Southland, and Redheart strawberries.

259 C. The Potomac raspberry.

517 C. The Northstar strawberry.

589 C. The Atlantic, Pemberton, and Burlington blueberries.

597 C. The Maytime, Starbright, and Redstar strawberries.

669 C. Winter storage of strawberry plants.

681 C. Spring dwarf and summer dwarf of strawberries.

694 C. The Midland and Fairpeake strawberries.

Farmers' Bulletins:

887 F. Raspberry culture.

1026 F. Strawberry culture: South Atlantic and Gulf Coast regions.

1027 F. Strawberry culture: Western United States.

1028 F. Strawberry culture: Eastern United States.

1043 F. Strawberry varieties in the United States.

1398 F. Currants and gooseberries: Their culture and relation to white-pine blister rust. 5c. For sale only.

1399 F. Blackberry growing.

1400 F. Establishing cranberry fields. 5c. For sale only.

1401 F. Managing cranberry fields.

1403 F. Dewberry growing. 5c. For sale only.

1882 F. Harvesting and handling cultivated cranberries.

1951 F. Blueberry growing.

Diseases: Berries**Department Circulars:**

402 DC. Diseases of strawberries on the market. 5c. For sale only.

Farmers' Bulletins:

1488 F. Diseases of raspberries and blackberries.
1891 F. Diseases of strawberries.

Miscellaneous Publications:

340 MP. Market diseases of fruits and vegetables:
Grapes and other small fruits.

Posters:

No. 64. Strawberry diseases. Rhizopus rot. 7 1/4 by
12 inches. Colored. 5c. For sale only.

Insects and Other Pests: Berries**Miscellaneous Publications:**

468 MP. Raspberry fruit worms and related species.
10c. For sale only.

Marketing: Berries**Circulars:**

515 C. Handling and shipping strawberries without refrigeration.
613 C. Studies on the respiration of strawberry and raspberry fruits.

Farmers' Bulletins:

1560 F. Preparing strawberries for market.
1882 F. Harvesting and handling cultivated cranberries.

Technical Bulletins:

525 T. Handling, precooling, and transportation of Florida strawberries.

CITRUS FRUITS

(See also Fruits—General)

Farmers' Bulletins:

794 F. Citrus-fruit improvement: How to secure and use tree-performance records. 5c. For sale only.
1343 F. Culture of citrus fruits in the Gulf States. 5c. For sale only.
1447 F. Citrus fruit growing in the Southwest.
1876 F. Irrigation problems in citrus orchards.

Technical Bulletins:

531 T. Bud selection in Eureka and Lisbon lemons and progeny tests of bud variations.
640 T. Growth of lemon fruits in relation to moisture content of the soil. 15c. For sale only.
753 T. Seasonal changes in Florida oranges.
780 T. A physiological study of carotenoid pigments and other constituents in the juice of Florida oranges. 10c. For sale only.
786 T. The anatomy of the seedling and roots of the Valencia orange.

Yearbook Separates:

1589 Y. Improvement of subtropical fruit crops. (1937.) 15c. For sale only.

Publications are free in limited amounts unless priced. Do not send remittances to the U. S. Department of Agriculture. See page 3.

Diseases: Citrus Fruits**Circulars:**

396 C. A method of harvesting grapefruit to retard stem-end rot.
 671 C. Sampling technique for determining populations of the citrus red mite and its predators.

Technical Bulletins:

488 T. Reducing decay in citrus fruits with borax.

Insects and Other Pests: Citrus Fruits**Circulars:**

708 C. The citrus thrips, measures for its control, and their effect on other citrus pests.

Technical Bulletins:

15 T. The citrus insects of Japan. 5c. For sale only.
 252 T. Two citrus leaf miners of the Far East. 5c. For sale only.
 320 T. The citrus blackfly in Asia, and the importation of its natural enemies into tropical America. 10c. For sale only.

Marketing: Citrus Fruits

(See also Bureau List: Office of Marketing Services)

Circulars:

577 C. Citrus fruit products.

Miscellaneous Publications:

498 MP. Market diseases of fruits and vegetables, citrus and other subtropical fruits.

Technical Bulletins:

505 T. Refrigeration of oranges in transit from California. 15c. For sale only.
 857 T. Stage icing in the refrigeration of oranges in transit from California.

GRAPES

(See also Fruits—General)

Farmers' Bulletins:

471 F. Grape propagation, pruning, and training. 5c. For sale only.
 1785 F. Muscadine grapes.
 1936 F. Grapes for different regions.

Leaflets:

173 L. The bud-graft method of propagating vinifera grape varieties on rootstocks.

Technical Bulletins:

697 T. Testing vinifera grape varieties grafted on phylloxera-resistant rootstocks in California.

Diseases: Grapes**Farmers' Bulletins:**

1893 F. Control of grape diseases and insects in eastern United States.

Publications are free in limited amounts unless priced. Do not send remittances to the U. S. Department of Agriculture. See page 3.

Miscellaneous Publications:

340 MP. Market diseases of fruits and vegetables:
Grapes and other small fruits.

Posters:

No. 61. Grape diseases. $7\frac{1}{4}$ by 12 inches. Colored.
5c. For sale only.
A. Gray mold rot on Zinfandel.
B, C, D, E. Various stages of black
rot on Concord.
No. 62. Grape injuries. $7\frac{1}{4}$ by 12 inches. Colored.
5c. For sale only.
A. Sulphur injury on upper part of a
bunch of Emperor.
B, C. Sulphur injury on Emperor.

Insects and Other Pests: Grapes**Farmers' Bulletins:**

1128 F. Control of aphids injurious to orchard
fruits, currant, gooseberry, and grape.

Marketing: Grapes**Circulars:**

574 C. Studies on the "raisining" of Alexandria
(Muscat) grapes in transit.

Farmers' Bulletins:

1558 F. Preparation of eastern grapes for market.

MELONS

(See also Fruits—General)

Circulars:

441 C. Development of Powdery Mildew Resistant
Cantaloup No. 45.

Department Bulletins:

1250 D. Relation between the composition of California
cantaloups and their commercial
maturity. 5c. For sale only.

Farmers' Bulletins:

1394 F. Watermelons.

Diseases: Melons**Technical Bulletins:**

613 T. Market-storage studies of Honey Dew
melons and cantaloups.

Posters:

No. 57. Melon diseases. $7\frac{1}{4}$ by 12 inches. Colored.
5c. For sale only. Various decays following
low-temperature breakdown of Honeydew melon. (Large black area,
alternaria rot; small scattered black
spots, cladosporium rot; greenish blue
spots, blue mold rot; red spots, fusarium
rot.)
No. 59. Watermelon diseases. $7\frac{1}{4}$ by 12 inches.
Colored. 5c. For sale only. Anthracnose.
No. 60. Watermelon diseases. $7\frac{1}{4}$ by 12 inches.
Colored. 5c. For sale only. Stem end
rot.

Insects and Other Pests: Melons

Farmers' Bulletins:

1499 F. The melon aphid and its control.

Marketing: Melons

Separates from Agricultural Statistics:

53 SAS. Statistics of fruits, vegetables, melons, and tree nuts. (1941.)

76 SAS. Statistics of fruits, vegetables, melons, and tree nuts. (1943.)

Technical Bulletins:

425 T. Marketing cantaloups and other muskmelons. 5c. For sale only.

730 T. Market quality and condition of California cantaloups influenced by maturity, handling, and precooling.

PEACHES

(See also Fruits—General)

Circulars:

552 C. Seven new peaches and a new plum for the Western States.

627 C. Fruit pressure testers and their practical applications.

Farmers' Bulletins:

917 F. Growing peaches: Sites and cultural methods.

Technical Bulletins:

84 T. Preservation of peaches for use in the manufacture of ice cream. 5c. For sale only.

Diseases: Peaches

Circulars:

427 C. Peach mosaic: Its identification and control.

Farmers' Bulletins:

1527 F. Peach brown rot and scab.

Technical Bulletins:

852 T. Experiments with oils and lime-sulfur for the control of the San Jose scale on peach trees in the south.

Insects and Other Pests: Peaches

Farmers' Bulletins:

1246 F. The peach borer: How to prevent or lessen its ravages; the paradichlorobenzene treatment.

1861 F. Insect pests of the peach.

Technical Bulletins:

854 T. Life history and habits of the peach tree borer in the Southeastern States.

Marketing: Peaches

Farmers' Bulletins:

1702 F. Preparing peaches for market.

Publications are free in limited amounts unless priced. Do not send remittances to the U. S. Department of Agriculture. See page 3.

Technical Bulletins:

680 T. Effect of storage temperatures on peaches.

PEARS

(*See also* Fruits—General)

Circulars:

627 C. Fruit pressure testers and their practical applications.

Farmers' Bulletins:

1739 F. Pear growing in the Pacific Coast States.
1796 F. Handling and preparing the Kieffer pear for use as food.

Technical Bulletins:

290 T. Investigations on harvesting and handling fall and winter pears.
432 T. Studies of the irrigation of pear orchards on heavy soil near Medford, Oregon. 5c. For sale only.
450 T. Relation of maturity and handling of Bartlett pears in the Pacific Northwest to quality of the canned product.
590 T. Certain chemical and physical changes produced in Kieffer pears during ripening and storage. 10c. For sale only.
592 T. Factors affecting the rate of drying of Kieffer pears.
759 T. Physiological investigations on fall and winter pears in the Pacific Northwest.

Diseases: Pears**Leaflets:**

187 L. Blight of apples, pears, and quinces.

Marketing: Pears**Technical Bulletins:**

290 T. Investigations on harvesting and handling fall and winter pears.
434 T. Refrigerated transportation of Bartlett pears from the Pacific Northwest. 5c. For sale only.
550 T. Protection of apples and pears in transit from the Pacific Northwest during the winter months. 10c. For sale only.

OTHER FRUITS

(*See also* Fruits—General)

Circulars:

552 C. Seven new peaches and a new plum for the Western States.
620 C. Avocado production in the United States. 10c. For sale only.
627 C. Fruit pressure testers and their practical applications.
631 C. Protein-digesting enzymes of papaya and pineapple.
633 C. Papaya production in the United States.

Department Bulletins:

271 D. Dates of Egypt and the Sudan. 20c. For sale only.

1457 D. Date culture in Egypt and the Sudan. 25c. For sale only.

1477 D. Varietal characteristics of plums in the Pacific States in relation to pruning. 45c. For sale only.

Department Circulars:

416 DC. Demand, marketing, and production of Oregon and Washington prunes. 10c. For sale only.

Farmers' Bulletins:

685 F. The native persimmon.

776 F. Growing cherries east of the Rocky Mountains.

1031 F. Fig growing in the South Atlantic and Gulf States.

1249 F. Olive growing in the southwestern United States.

1372 F. Plum and prune growing in the Pacific States.

Leaflets:

158 L. Quince growing.

170 L. Date growing in the United States.

179 L. The native papaw.

194 L. The oriental persimmon.

Technical Bulletins:

746 T. Quality of irrigation waters of the Hollister area of California with special reference to boron content and its effect on apricots and prunes.

Yearbook Separates:

1589 Y. Improvement of subtropical fruit crops. (1937.) 15c. For sale only.

Diseases: Other Fruits**Circulars:**

511 C. Control of black rot of pineapples in transit.

582 C. Avocado diseases in Florida.

Department Bulletins:

368 D. Brown rot of prunes and cherries in the Pacific Northwest. 5c. For sale only.

Farmers' Bulletins:

1053 F. Control of cherry leaf spot.

Leaflets:

187 L. Blight of apples, pears, and quinces.

Posters:

No. 47. Plum disease. $7\frac{1}{4}$ by 12 inches. Colored 5c. For sale only.
 A, B, C, D. Drought injury of prune.
 E. Rhizopus rot of plum.

Insects and Other Pests: Other Fruits

Circulars:

157 C. Fig insects in California. 20c. For sale only.
 606 C. Observations on the biology and control of the treehopper *Heliria praealta* (Fowler) in orchards of the Pacific Northwest.

Farmers' Bulletins:

1128 F. Control of aphids injurious to orchard fruits, currant, gooseberry, and grape.
 1261 F. The avocado: Its insect enemies and how to combat them. 5c. For sale only.

Leaflets:

161 L. The eastern tent caterpillar.
 236 L. Preventing damage to commercial dried fruits by the raisin moth.

Technical Bulletins:

404 T. The external anatomy of the red date scale, *Phoenicococcus marlatti* Cockerell, and its allies. 15c. For sale only.
 421 T. The external anatomy of the parlatoria date scale, *Parlatoria blanchardi* Targioni Tozzetti, with studies of the head skeleton and associated parts. 10c. For sale only.

Marketing: Other Fruits

Circulars:

553 C. Handling and storing small lots of dates at home.

Department Circulars:

416 DC. Demand, marketing, and production of Oregon and Washington prunes. 10c. For sale only.

Technical Bulletins:

193 T. Experiments on processing and storing of Deglet Noor dates in California. 15c. For sale only.

GRAINS

(See also Crop Culture—General; Seeds; Weeds; and specific crop)

GENERAL

Circulars:

470 C. Performance characteristics of 5- and 6-foot combines.
 696 C. Single grains and grain mixtures as supplements to alfalfa hay and silage for milk production.

Farmers' Bulletins:

1556 F. Irrigation of small grains.
 1725 F. Methods and costs of filling silos in the North Central States.
 1761 F. Harvesting with combines.

Publications are free in limited amounts unless priced. Do not send remittances to the U. S. Department of Agriculture. See page 3.

Miscellaneous Publications:

219 MP. Treat seed grain.
 325 MP. Grain-grading primer.
 437 MP. Testing farm seeds in home and school. 15c.
 For sale only.

Technical Bulletins:

847 T. Fattening steers on milo grain in the southern Great Plains.

Diseases: Grains—General

(See also under specific crop)

Circulars:

341 C. The rusts of cereal crops.
 576 C. The use of chlorine gas as a seed disinfectant. 5c. For sale only.

Department Bulletins:

1162 D. The role of the genus *Rhamnus* in the dissemination of crown rust. 5c. For sale only.

Technical Bulletins:

266 T. Morphologic and physiologic studies on stem-rust resistance in cereals. 15c. For sale only.
 314 T. Factors affecting the development of the aecial stage of *Puccinia graminis*. 10c.
 For sale only.
 428 T. Cercosporaella foot rot of winter cereals. 10c.
 For sale only.

Insects and Other Pests: Grains—General

(See also under specific crop)

Circulars:

390 C. Flour-mill insects and their control.
 494 C. The Texas leaf-cutting ant and its control.

Farmers' Bulletins:

739 F. Cutworms and their control in corn and other cereal crops.
 752 F. The fall army worm, or "grass worm," and its control.
 1003 F. How to control billbugs destructive to cereal and forage crops.
 1217 F. The green-bug or spring grain-aphis: How to prevent its periodical outbreaks.
 1258 F. Webworms injurious to cereal and forage crops and their control.
 1260 F. Stored-grain pests.
 1627 F. The hessian fly and how losses from it can be avoided.
 1657 F. The Great Basin wireworm in the Pacific Northwest.
 1780 F. How to fight the chinch bug.
 1798 F. Control of common white grubs in cereal and forage crops.
 1811 F. Control of insects attacking grain in farm storage.
 1828 F. Grasshoppers and their control.
 1850 F. The armyworm and its control.

Farmers' Bulletins—Continued.

1866 F. Wireworms and their control on irrigated lands.
 1880 F. Control of insect pests of grain in elevator storage.

Leaflets:

195 L. Mealworms.

Miscellaneous Publications:

258 MP. Annotated list of the insects and mites associated with stored grain and cereal products, and of their Arthropod parasites and predators. 10c. For sale only.

Technical Bulletins:

81 T. The hessian fly in California. 5c. For sale only.
 351 T. Life history of the Angoumois grain moth in Maryland. 5c. For sale only.
 361 T. The hessian fly in the Pacific Northwest. 5c. For sale only.
 518 T. A second revision of the chalcid flies of the genus *Harmolita* (*Isosoma*) of America north of Mexico, with descriptions of 20 new species. 5c. For sale only.
 858 T. Life history of the wireworm *Melanotus longulus* (Lee) in southern California.

Marketing: Grains—General

(See also Bureau List: Office of Marketing Services)

Circulars:

161 C. Bulk and sack handling of grain in the Pacific Coast States.
 623 C. The conversion of the weights of mechanical separations of grain into percentages.
 630 C. Improved Bates laboratory aspirator.

Farmers' Bulletins:

1636 F. Farm bulk storage for small grains.

Miscellaneous Publications:

325 MP. Grain grading primer.
 328 MP. The service of Federal grain standards.

Separates from Agricultural Statistics:

51 SAS. Statistics of grains. (1941.)
 73 SAS. Statistics of grains. (1943.)

Technical Bulletins:

287 T. Farm-management problems in shifting from sack to bulk handling of grain in the Pacific Northwest.
 747 T. Grain prices and the futures market: A 15-year survey, 1923-1938.

BARLEY

(See also Grains—General)

Farmers' Bulletins:

1732 F. Growing barley for malt and feed.

Publications are free in limited amounts unless priced. Do not send remittances to the U. S. Department of Agriculture. See page 3.

Technical Bulletins:

446 T. Yields of barley in the United States and Canada, 1927-31. 10c. For sale only.
 720 T. A study of methods in barley breeding.
 735 T. Yields of barley varieties in the United States and Canada, 1932-36. 10c. For sale only.

Yearbook Separates:

1571 Y. Problems and results in barley breeding. (1936.) 10c. For sale only.
 1803 Y. Climate and small grains. (1941.) 5c. For sale only.

Diseases: Barley**Circulars:**

501 C. Reaction of wheat, barley, and rye varieties to stripe rust in the Pacific Northwest. 5c. For sale only.

Farmers' Bulletins:

1599 F. Scab of wheat and barley and its control.

Miscellaneous Publications:

131 MP. A dangerous neighbor for wheat, oats, barley, and rye. (Barberry.)

Technical Bulletins:

341 T. Effects of certain environmental factors on stripe disease of barley and the control of the disease by seed treatment. 5c. For sale only.
 513 T. Further experiments on the control of barley smuts. 5c. For sale only.

CORN

(See also Grains—General)

Circulars:

268 C. Golden cross bantam sweet corn.
 603 C. Estimating the quantity of settled corn silage in a silo.
 688 C. Farm adjustments and income on typical Corn Belt farms.

Farmers' Bulletins:

948 F. The rag-doll seed tester: Its use in determining what ears of corn are fit for seed.
 1589 F. The husker-shredder on eastern Corn Belt farms. 5c. For sale only.
 1679 F. Popcorn.
 1714 F. Corn culture.
 1715 F. Methods and costs of husking corn in the field.
 1725 F. Methods and costs of filling silos in the North Central States.
 1744 F. The what and how of hybrid corn.
 1816 F. Mechanizing the corn harvest.
 1822 F. Seed corn.

Technical Bulletins:

292 T. The inheritance of colored scutellums in maize. 10c. For sale only.

Publications are free in limited amounts unless priced. Do not send remittances to the U. S. Department of Agriculture. See page 3.

Technical Bulletins—Continued.

583 T. Experiments on breeding corn resistant to the European corn borer. 10c. For sale only.

823 T. Strains of field corn resistant to the survival of the European corn borer.

Yearbook Separates:

1606 Y. Popcorn breeding. (1937.)

Diseases: Corn**Circulars:**

674 C. Diseases of dent corn in the United States.

Farmers' Bulletins:

1878 F. Bacterial wilt of corn.

Posters:

No. 14. Corn diseases. $7\frac{1}{4}$ by 12 inches. Colored. 5c. For sale only.
 A. Diplodia seedling blight.
 B. Gibberella seedling blight.

No. 15. Corn diseases. $7\frac{1}{4}$ by 12 inches. Colored. 5c. For sale only.
 A, B. Healthy germinating kernels.
 C, D, E. Germinating kernels infected with Cephalosporium.
 F, G, H. Germinating kernels infected with Fusarium.

Technical Bulletins:

362 T. Bacterial wilt of corn. 5c. For sale only.

Insects and Other Pests: Corn**Agricultural War Information Series:**

58 AWI. Victory gardeners can prevent earworms from entering their corn.

Circulars:

321 C. Use of farm machinery for corn-borer control in the one-generation area.

649 C. Studies on the prevalence of the European corn borer in the East North Central States.

Farmers' Bulletins:

875 F. The rough-headed corn stalk-beetle in the Southern States and its control.

891 F. The corn root-aphis and methods of controlling it.

950 F. The southern corn rootworm and farm practices to control it.

1025 F. The larger corn stalk-borer.

1548 F. The European corn borer: Its present status and methods of control.

1562 F. Farm practices under corn-borer conditions. 5c. For sale only.

1651 F. The corn earworm as an enemy of field corn in the Eastern States.

1662 F. Husker-shredders in corn-borer control.

1884 F. The sugarcane borer.

Leaflets:

212 L. The sand wireworm.

Picture Sheets:

No. 11. Corn earworm. $5\frac{3}{4}$ by $9\frac{1}{4}$ inches. Colored. 5c. For sale only.

Posters:

Help fight the European corn borer. 21 by 32 inches. Colored.

Technical Bulletins:

59 T. The European corn borer and its controlling factors in Europe. 10c. For sale only.

294 T. The biology and morphology of the braconid *Chelonus annulipes* Wesm., a parasite of the European corn borer.

306 T. Biology and control of the corn leaf aphid with special reference to the Southwestern States. 5c. For sale only.

388 T. The southwestern corn borer. 10c. For sale only.

395 T. Subfreezing temperatures lethal to the European corn borer infesting green ears of sweet corn. 5c. For sale only.

441 T. The biology of *Cremastus flavoorbitalis* (Cameron), an ichneumonid parasite of the European corn borer. 5c. For sale only.

455 T. The European corn borer and its controlling factors in the Orient. 5c. For sale only.

460 T. Studies of *Exeristes robator* (Fab.), a parasite of the European corn borer in the Lake Erie area. 5c. For sale only.

499 T. The cannibalistic habits of the corn earworm. 5c. For sale only.

561 T. The effectiveness of cultivation as a control for the corn earworm. 5c. For sale only.

659 T. The sand wireworm and its control in the South Carolina coastal plain. 10c. For sale only.

723 T. Biology of the seed-corn maggot in the coastal plain of the South Atlantic States. 10c. For sale only.

791 T. Hibernation of the corn earworm in southeastern Georgia.

823 T. Strains of field corn resistant to the survival of the European corn borer.

838 T. Hibernation of the corn earworm in the Central and Northeastern part of the United States.

869 T. Strains of the European corn borer in the United States.

871 T. *Apanteles diatraeae*, a braconid parasite of the southwestern corn borer.

Marketing: Corn**Circulars:**

397 C. Analysis of open commitments in wheat and corn futures on the Chicago Board of Trade, September 29, 1934.

Statistical Bulletins:

34 S. Corn futures: Volume of trading, open commitments and prices from January 3, 1921, to December 31, 1929.

45 S. Corn futures: Volume of trading, open commitments and prices from January 2, 1930, to December 31, 1932.

55 S. Corn futures: Volume of trading, open commitments and prices from January 3, 1933, to December 31, 1935.

74 S. Corn futures: Volume of trading, open commitments and prices from January 2, 1936, to December 30, 1939.

Technical Bulletins:

199 T. Trading in corn futures. 20c. For sale only.

644 T. The chemical determination of soundness in corn.

826 T. Controlling corn and hog supplies. 15c. For sale only.

OATS

(See also Grains—General)

Circulars:

562 C. Maintaining identity and pure seed of southern oat varieties.

622 C. The comparative winter hardiness of oat varieties.

Farmers' Bulletins:

1581 F. Oats in the North Central States.

1583 F. Spring-sown red oats.

1611 F. Oats in the western half of the United States.

1640 F. Fall-sown oat production.

1659 F. Oats in the Northeastern States.

1941 F. Grow disease-resistant oats.

1947 F. Disease-resistant and hardy oats for the South.

Yearbook Separates:

1572 Y. Superior germ plasm in oats. (1936.) 10c. For sale only.

Diseases: Oats**Circulars:**

133 C. Methods of eradicating buckthorn (*Rhamnus*) susceptible to crown rust (*Puccinia coronata*) of oats. 10c. For sale only.

Miscellaneous Publications:

131 MP. A dangerous neighbor for wheat, oats, barley, and rye. (Barberry.)

Technical Bulletins:

422 T. Field studies on resistance of hybrid selections of oats to covered and loose smuts. 5c. For sale only.

568 T. Seed treatment experiments with oats naturally and artificially inoculated with smuts. 5c. For sale only.

RICE

Circulars:

48 C. Improved apparatus and method for making "shellings" of rough rice.
 340 C. Effect of parboiling rough rice on milling quality. 5c. For sale only.
 484 C. Effect of date of harvest on yield and milling quality of rice.
 612 C. Rice varieties and their comparative yields in the United States. 10c. For sale only.

Department Bulletins:

1127 D. Some new varieties of rice. 10c. For sale only.
 1155 D. Rice experiments at the Biggs Rice Field Station in California. 10c. For sale only.
 1356 D. Experiments in rice production in southwestern Louisiana. 10c. For sale only.

Farmers' Bulletins:

1240 F. How to grow rice in the Sacramento Valley.
 1808 F. Rice culture in the Southern States.

Leaflets:

148 L. When to cut rice.

Miscellaneous Publications:

132 MP. Rice and its by-products for feeding livestock. 5c. For sale only.

Technical Bulletins:

718 T. Fertilizer experiments with rice in California. 10c. For sale only.

Yearbook Separates:

1573 Y. Improvement in rice. (1936.) 10c. For sale only.
 1803 Y. Climate and small grains. (1941.) 5c. For sale only.

Diseases: Rice

Department Bulletins:

1116 D. Seedling blight and stack-burn of rice and the hot-water seed treatment.

Farmers' Bulletins:

1212 F. Straighthead of rice and its control. 5c. For sale only.
 1854 F. Diseases of rice.

Technical Bulletins:

540 T. Fungi isolated from discolored rice kernels.
 772 T. Inheritance in rice of reaction to *Helminthosporium oryzae* and *Cercospora oryzae*.

Insects and Other Pests: Rice

Circulars:

602 C. Field infestation by insects that injure rice in storage.
 632 C. Rice-field insects.

Farmers' Bulletins:

1884 F. The sugar cane borer.
 1906 F. Insect pests of stored rice and their control.

Marketing: Rice**Farmers' Bulletins:**

1420 F. Handling rough rice to produce high grades.

RYE

(See also Grains—General)

Diseases: Rye**Circulars:**

501 C. Reaction of wheat, barley, and rye varieties to stripe rust in the Pacific Northwest.
 5c. For sale only.

Farmers' Bulletins:

1607 F. The nematode disease of wheat and rye.

Miscellaneous Publications:

131 MP. A dangerous neighbor for wheat, oats, barley, and rye. (Barberry.)

SORGHUMS

(See also Grains—General)

Farmers' Bulletins:

1126 F. Sudan grass.
 1597 F. The production of Johnson grass for hay and pasturage.
 1619 F. Sorgo for sirup production: Culture, harvesting, and handling.
 1631 F. Broomcorn growing and handling.
 1764 F. Growing and feeding grain sorghums.
 1791 F. Farm production of sorgo sirup. 5c. For sale only.
 1844 F. The culture and use of sorghums for forage.

Technical Bulletins:

100 T. Respiration of sorghum grains. 5c. For sale only.
 585 T. Resistance of sorghums to the chinch bug. 15c. For sale only.

Yearbook Separates:

1575 Y. Sorghum improvement. (1936.) 10c. For sale only.
 1804 Y. Climate and sorghum. 5c. For sale only.

Diseases: Sorghums**Farmers' Bulletins:**

1959 F. Sorghum diseases and their control.

Technical Bulletins:

839 T. Seed rot and seedling blight of sorghum.
 849 T. Chemical seed treatments for the control of certain diseases of sorghums.

Insects and Other Pests: Sorghums**Farmers' Bulletins:**

1566 F. The sorghum midge, with suggestions for control.
 1884 F. The sugarcane borer.

Technical Bulletins:

778 T. The biology and control of the sorghum midge. 10c. For sale only.

Marketing: Sorghums**Agricultural War Information Series:**

36 AWI. 10 steps in grading grain sorghums.

WHEAT

(See also Grains—General)

Agricultural War Information Series:

60 AWI. Wanted: 14 million acres more wheat for '44!

Circulars:

563 C. Relation of the depth to which the soil is wet at seeding time to the yield of spring wheat on the Great Plains.

634 C. Distribution of the varieties and classes of wheat in the United States in 1939.

Department Bulletins:

1139 D. Storage of water in soil and its utilization by spring wheat. 5c. For sale only.

1446 D. Cost of producing winter wheat and incomes from wheat farming in Sherman County, Oreg. 10c. For sale only.

1460 D. Testing wheat for protein with a recommended method for making the test. 5c. For sale only.

Farmers' Bulletins:

1340 F. Polish and Poulard wheats. 5c. For sale only.

1545 F. Dry farming methods and practices in wheat growing in Columbia and Snake River Basins. 5c. For sale only.

1707 F. Varieties of common white wheat. 5c. For sale only.

1708 F. Varieties of club wheat.

1806 F. Hard red winter wheat varieties.

1817 F. Growing wheat in the eastern United States.

1902 F. Varieties of spring wheat for the North Central states.

Technical Bulletins:

636 T. Correlations between annual precipitation and the yield of spring wheat in the Great Plains.

761 T. Seasonal distribution of rainfall in relation to yield of winter wheat. 5c. For sale only.

795 T. Classification of wheat varieties grown in the United States in 1939.

814 T. An objective method of sampling wheat fields to estimate production and quality of wheat.

Yearbook Separates:

1570 Y. Improvement in wheat. (1936.) 10c. For sale only.
 1803 Y. Climate and small grains. (1941.) 5c. For sale only.

Diseases: Wheat**Circulars:**

81 C. Removing smut from Pacific Northwest wheat by washing.
 361 C. Removing smut balls from seed wheat.
 451 C. Influence of climatological factors in the development of cercosporella foot rot of winter wheat.
 501 C. Reaction of wheat, barley, and rye varieties to stripe rust in the Pacific Northwest. 5c. For sale only.

Department Bulletins:

1299 D. Relative resistance of wheat to bunt in the Pacific Coast States. 5c. For sale only.

Department Circulars:

365 DC. Relative susceptibility of spring-wheat varieties to stem rust.

Farmers' Bulletins:

1599 F. Scab of wheat and barley and its control.
 1607 F. The nematode disease of wheat and rye.
 1711 F. Wheat smuts and their control.

Miscellaneous Publications:

131 MP. A dangerous neighbor for wheat, oats, barley, and rye. (Barberry.)

Technical Bulletins:

300 T. Susceptibility and resistance of *Berberis* and related genera to *Puccinia graminis*. 10c. For sale only.
 313 T. Studies on physiologic specialization in *Puccinia triticina*.
 314 T. Factors affecting the development of the aecial stage of *Puccinia graminis*. 10c. For sale only.
 385 T. Inheritance of stem-rust reaction and correlation of characters in Pentad, Nodak, and Akrona durum-wheat crosses. 5c. For sale only.
 582 T. Studies on bunt, or stinking smut, of wheat and its control. 10c. For sale only.
 835 T. Experiments toward the control of the take-all disease of wheat and the *Phymatotrichum* root rot of cotton.
 877 T. Wheat varieties resistant to the hessian fly and their reactions to stem and leaf rusts.

Insects and Other Pests: Wheat**Circulars:**

607 C. The black grain stem sawfly and the European wheat stem sawfly in the United States.

Circulars—Continued.

663 C. A method of estimating reduction in yield of wheat caused by hessian fly infestation.

687 C. The hessian fly and its control by late sowing of wheat in Oklahoma and Arkansas.

Farmers' Bulletins:

1006 F. The wheat jointworm and its control.

1323 F. The wheat strawworm and its control.

Technical Bulletins:

784 T. The wheat jointworm in Oregon, with special reference to its dispersion, injury, and parasitization.

877 T. Wheat varieties resistant to the hessian fly and their reactions to stem and leaf rusts.

Marketing: Wheat

(See also Bureau List: Agricultural Adjustment Agency)

Agricultural War Information Series:

86 AWI. Wheat grading at country points.

Circulars:

397 C. Analysis of open commitments in wheat and corn futures on the Chicago Board of Trade, September 29, 1934.

587 C. Temperatures of wheat in experimental farm-type storages.

637 C. Wheat storage in experimental farm-type bins.

Statistical Bulletins:

41 S. Wheat futures: Volume of trading, open commitments and prices from January 2, 1930, to December 31, 1932.

54 S. Wheat futures: Volume of trading, open commitments and prices from January 3, 1933, to December 31, 1935.

72 S. Wheat futures: Volume of trading, open contracts and prices from January 2, 1936, to December 31, 1938.

Technical Bulletins:

535 T. Wheat requirements in Europe. (Especially pertaining to quality and type, and to milling and baking practices.) 15c. For sale only.

OTHER GRAINS

(See also Grains—General)

Farmers' Bulletins:

1162 F. Proso, or hog millet.

1429 F. Emmer and spelt.

1631 F. Broomcorn: Growing and handling.

1679 F. Popcorn.

1835 F. Growing buckwheat.

Yearbook Separates:

1606 Y. Popcorn breeding. (1937.)

1803 Y. Climate and small grains. (1941.) 5c. For sale only.

Publications are free in limited amounts unless priced. Do not send remittances to the U. S. Department of Agriculture. See page 3.

Marketing: Other Grains*(See also Bureau List: Agricultural Adjustment Agency)***Farmers' Bulletins:**

1631 F. Broomcorn: Growing and handling.

MUSHROOMS**Farmers' Bulletins:**

1875 F. Mushroom growing in the United States.

Insects and Other Pests: Mushrooms**Circulars:**

457 C. Mushroom pests and their control.

NUTS AND NUT TREES**Agricultural War Information Series:**

9 AWI. Peanuts pack a punch.

Circulars:

492 C. Pecan soils of the Gulf and Southeastern States and maintenance of their fertility.

542 C. Two new varieties of almond: The Jordanolo and the Harpareil.

545 C. Pecan grafting methods and waxes.

Farmers' Bulletins:

1501 F. Nut-tree propagation.

1656 F. Peanut growing.

Leaflets:

71 L. Fertilizers for pecan soils. 5c. For sale only.

84 L. Planting black walnut.

202 L. Grafting-wax melter.

Technical Bulletins:

324 T. An economic study of the pecan industry.

Yearbook Separates:

1808 Y. Climatic adaptation of fruit and nut crops. (1941.)

Diseases: Nuts and Nut Trees**Department Bulletins:**

1102 D. Kernel-spot of the pecan and its cause. 5c. For sale only.

1378 D. Relation of soil conditions and orchard management to the rosette of pecan trees. 10c. For sale only.

Farmers' Bulletins:

1829 F. Insects and diseases of the pecan and their control.

Insects and Other Pests: Nuts and Nut Trees**Farmers' Bulletins:**

1829 F. Insects and diseases of the pecan and their control.

Marketing: Nuts and Nut Trees**Miscellaneous Publications:**

416 MP. Marketing peanuts and peanut products.

Publications are free in limited amounts unless priced. Do not send remittances to the U. S. Department of Agriculture. See page 3.

Separates from Agricultural Statistics:

53 SAS. Statistics of fruits, vegetables, melons, and tree nuts. (1941.)
 76 SAS. Statistics of fruits, vegetables, melons, and tree nuts. (1943.)

Technical Bulletins:

770 T. Investigations on the storage of nuts.

ORNAMENTAL PLANTS AND TREES

(See also Forestry; Crop Culture—General; Seeds; and Weeds)

Farmers' Bulletins:

750 F. Roses for the home.
 1087 F. Beautifying the farmstead.
 1171 F. Growing annual flowering plants.
 1381 F. Herbaceous perennials.
 1567 F. Propagation of trees and shrubs.
 1677 F. Planting and care of lawns.
 1826 F. Care of ornamental trees and shrubs.
 1827 F. Culture and diseases of delphiniums. 5c.
 For sale only.
 1849 F. Useful and ornamental gourds.
 1855 F. Culture, diseases, and pests of the box tree.
 1896 F. Care of damaged shade trees.
 1898 F. Hedge plants for the northern Great Plains.

Leaflets:

90 L. Rockeries.
 199 L. Gardenia culture.
 202 L. Grafting-wax melter.
 206 L. Culture of orchids.

Circulars:

122 C. Daffodils.
 215 C. Commercial forcing of lilies-of-the-valley.
 313 C. The oriental flowering cherries.
 497 C. Composition of the rhizome, stem, and leaf
 of some horticultural forms of canna in
 relation to their possible use. 5c. For
 sale only.

Department Circulars:

76 DC. Directions for collecting flowering plants
 and ferns. 5c. For sale only.

Miscellaneous Publications:

401 MP. Geographical guide to floras of the world.
 423 MP. Flowering plants and ferns of Arizona.
 434 MP. Nursery practice for trees and shrubs suit-
 able for planting on the prairie-plains.
 25c. For sale only.
 477 MP. The central American species of *Quercus*.
 495 MP. Plant growth regulators.

Diseases: Ornamental Plants and Trees**Circulars:**

535 C. A vascular wilt of the mimosa tree (*Al-
 bizzia julibrissin*). 5c. For sale only.
 556 C. A flower-spot disease of cultivated azaleas.
 640 C. Phloem necrosis, a virus disease of the
 American elm. 5c. For sale only.
 677 C. Dutch elm disease and its control.

Farmers' Bulletins:

- 1827 F. Culture and diseases of delphiniums. 5c.
For sale only.
- 1855 F. Culture, diseases, and pests of the box tree.
- 1860 F. Gladiolus diseases and insects.
- 1885 F. Treatment of white pines infected with blister rust.

Leaflets:

- 197 L. Powdery mildew of ornamental plants.

Technical Bulletins:

- 785 T. Fungi causing decay of living oaks in the eastern United States and their cultural identification.

Insects and Other Pests: Ornamental Plants and Trees**Circulars:**

- 246 C. Life history and control of the Asiatic garden beetle.
- 301 C. The cyclamen mite and the broad mite and their control. 5c. For sale only.
- 305 C. The boxwood leaf miner and its control. 5c. For sale only.
- 429 C. The rhododendron whitefly and its control. 5c. For sale only.
- 572 C. Life history and control of the imported willow leaf beetle.
- 594 C. The use of traps against the Japanese beetle.
- 626 C. Control of the locust borer. 5c. For sale only.
- 610 C. Absorption of mercuric chloride from solution by gladiolus corms. 5c. For sale only.
- 647 C. Toxic and repellent sprays for the control of elm bark beetles.

Farmers' Bulletins:

- 1169 F. Insects injurious to deciduous shade trees and their control.
- 1252 F. Sawflies injurious to rose foliage. 5c. For sale only.
- 1306 F. Insect enemies of chrysanthemums. 5c. For sale only.
- 1569 F. Earthworms as pests and otherwise.
- 1855 F. Culture, diseases, and pests of the box tree.
- 1856 F. The Japanese beetle and its control.
- 1860 F. Gladiolus diseases and insects.
- 1890 F. Control of insects and mites attacking narcissus bulbs.

Leaflets:

- 161 L. The eastern tent caterpillar.
- 183 L. Cankerworms.
- 184 L. The elm leaf beetle.
- 185 L. Elm bark beetles.

Picture Sheets:

- No. 6. Gladiolus thrips. $5\frac{3}{4}$ by $9\frac{1}{4}$ inches. Colored.

Technical Bulletins:

83 T. The Pacific flathead borer. 15c. For sale only.

86 T. Imported insect enemies of the gypsy moth and the brown-tail moth. 50c. For sale only.

672 T. Vapor-heat treatment for the control of narcissus bulb pests in the Pacific Northwest. 10c. For sale only.

788 T. Relative effectiveness of acid lead arsenate and other materials as stomach poisons for the larvae of the Japanese beetle.

798 T. Relationship of insects to the spread of azalea flower spot. 10c. For sale only.

809 T. Biology of the narcissus bulb fly in the Pacific Northwest.

Marketing: Ornamental Plants and Trees

Circulars:

278 C. The commercial storage of fruits, vegetables, and florists' stocks. 10c. For sale only.

447 C. The freezing temperatures of some fruits, vegetables, and florists' stocks.

RUBBER

Bibliographical Bulletins:

2 Bib. Bul. A summary of the literature on milkweeds (*Asclepias* spp.) and their utilization.

Circulars:

686 C. Fungicidal control of South American leaf blight of *Hevea* rubber trees.

Department Bulletins:

1380 D. A pathological survey of the Para rubber tree (*Hevea brasiliensis*) in the Amazon Valley. 50c. For sale only.

Separates from Agricultural Statistics:

57 SAS. Foreign trade of the United States in agricultural products. (1941.)

Technical Bulletins:

457 T. The rubber content of two species of *Cryptostegia* and of an interspecific hybrid in Florida. 10c. For sale only.

472 T. The desert milkweed (*Asclepias subulata*) as a possible source of rubber.

604 T. Rubber content and habits of a second desert milkweed (*Asclepias erosa*) of southern California and Arizona. 5c. For sale only.

842 T. Contribution to the morphology and anatomy of guayule (*Parthenium argentatum*.)

843 T. Contribution to the morphology and anatomy of the Russian dandelion (*Taraxacum kok-saghyz*).

SEEDS AND BULBS

(See also Crop Culture—General; and specific crop)

Publications are free in limited amounts unless priced. Do not send remittances to the U. S. Department of Agriculture. See page 3.

Agricultural War Information Series:

43 AWI. Grass seed production.
 46 AWI. How to increase cottonseed oil production.
 49 AWI. Legume seed production in the North.

Circulars:

453 C. Sulphuric acid treatment to increase germination of black locust seed. 10c. For sale only.
 465 C. Effect of storage and repeated sprouting of seed potatoes on their growth and productiveness. 5c. For sale only.
 480 C. Rules and recommendations for testing seeds.
 486 C. Factors affecting establishment of Douglas fir seedlings. 10c. For sale only.
 512 C. Longevity of onion seed in relation to storage conditions. 5c. For sale only.
 558 C. Processing seed of grasses and other plants to remove awns and appendages.
 562 C. Maintaining identity and pure seed of southern oat varieties.
 621 C. A practical seed-cotton moisture tester for use at gins.
 646 C. Pure-seed production of Egyptian-type cotton.
 651 C. Effects of artificially drying seed cotton on certain quality elements of cottonseed in storage.
 658 C. Irrigation of sugar beets grown for seed.

Farmers' Bulletins:

434 F. The home production of onion seed and sets. 5c. For sale only.
 948 F. The rag-doll seed tester: Its use in determining what ears of corn are fit for seed.
 1123 F. Growing and planting hardwood seedlings on the farm.
 1253 F. Seed peas for the canner.
 1390 F. Vegetable seeds for the home and market garden.
 1605 F. Soybean hay and seed production.
 1747 F. Flaxseed production in the North Central States.
 1793 F. Flaxseed production in the far Western States.
 1822 F. Seed corn.

Leaflets:

93 L. Red-clover seed production in the Intermountain States.
 107 L. The barrel seed scarifier.
 115 L. Timothy seed production.
 155 L. Growing nursery stock of southern pines.
 156 L. Harvesting and selling seed of southern pines.
 181 L. Drying seed cotton.
 198 L. Cottonseed treatment.
 217 L. Cotton ginning for pure seed preservation.
 220 L. Storage of vegetable seeds.
 243 L. Sphagnum moss for seed germination.

Miscellaneous Publications:

219 MP. Treat seed grain.
 239 MP. The vertical drier for seed cotton.
 437 MP. Testing farm seeds in home and school.
 15c. For sale only.
 485 MP. Seedtime and harvest today.

Technical Bulletins:

539 T. Federal seed-loan financing and its relation to agricultural rehabilitation and land use.
 638 T. Temperature and other factors affecting the germination of fescue seed.
 655 T. Dormancy in lettuce seed and some factors influencing its germination.
 670 T. Relation of temperature and moisture content to longevity of chewings fescue seed.
 708 T. A study of rapid deterioration of vegetable seeds and methods for its prevention.
 734 T. Anatomical structure of the cottonseed coat as related to problems of germination. 5c. For sale only.
 773 T. Kiln design and development of schedules for extracting seed from cones.
 787 T. Influence of variety, environment, and fertility level on the chemical composition of soybean seed.
 845 T. Sugar-beet seed production in southern Utah, with special reference to factors affecting yield and reproductive development.

Diseases: Seeds and Bulbs**Circulars:**

361 C. Removing smut balls from seed wheat.
 576 C. The use of chlorine gas as a seed disinfectant. 5c. For sale only.

Department Bulletins:

1116 D. Seedling blight and stack-burn of rice and the hot-water seed treatment.

Farmers' Bulletins:

1862 F. Vegetable seed treatments.

Technical Bulletins:

568 T. Seed treatment experiments with oats naturally and artificially inoculated with smuts. 5c. For sale only.
 839 T. Seed rot and seedling blight of sorghum.
 849 T. Chemical seed treatments for the control of certain diseases of sorghum.

Insects and Other Pests: Seeds and Bulbs**Circulars:**

555 C. Fumigation of vetch seed for the vetch bruchid.

Farmers' Bulletins:

1642 F. Chalcid control in alfalfa-seed production.

Technical Bulletins:

672 T. Vapor-heat treatment for the control of narcissus bulb pests in the Pacific Northwest. 10c. For sale only.

Technical Bulletins—Continued.

719 T. Prevention of damage by the seed-corn maggot to potato seed pieces.

741 T. Three species of the genus *Lygus* and their relation to alfalfa seed production in southern Arizona and California. 5c. For sale only.

Marketing: Seeds and Bulbs**Farmers' Bulletins:**

1308 F. Marketing the cowpea seed crop.

Miscellaneous Publications:

441 MP. Cottonseed: Official grading and market news.

Separates from Agricultural Statistics:

75 SAS. Statistics of oilseeds, fats, and oils. (1943.)

77 SAS. Statistics of hay, seeds, and minor field crops. (1943.)

SUGAR CROPS

(See also Crop Culture—General; and Puerto Rico)

Circulars:

284 C. Sugarcane for sirup production. 10c. For sale only.

304 C. Windrowing qualities of Co. 281 and other varieties of sugarcane under Louisiana conditions. 5c. For sale only.

324 C. Studies on handling sugarcanes frozen early in March in advanced stages of development. 5c. For sale only.

444 C. Yield and quality of sugar beets from various rotations at the Scotts Bluff (Nebr.) Field Station, 1930-35.

461 C. Two new varieties of sugarcane for sirup production.

476 C. Evaluation of sugar beet types in certain sugar-beet-growing districts in the United States.

513 C. Curly-top-resistant sugar-beet varieties in 1939.

531 C. Variety tests of sugarcanes in Louisiana during the crop year 1936-37 and summary of annual results, 1935-37.

658 C. Irrigation of sugar beets grown for seed.

Department Circulars:

257 DC. Composition of filter press (lime) cake. 5c. For sale only.

Farmers' Bulletins:

1366 F. Production of maple sirup and sugar.

1619 F. Sorgo for sirup production: Culture, harvesting, and handling.

1637 F. Sugar-beet culture in the humid area of the United States.

1718 F. Important sugar-beet byproducts and their utilization.

1791 F. Farm production of sorgo sirup. 5c. For sale only.

1867 F. Sugar-beet culture under irrigation in the northern Great Plains.

Farmers' Bulletins—Continued.

1874 F. Farm production of sugarcane sirup.
 1903 F. Sugar-beet culture in the Intermountain area with curly top resistant varieties.
 1933 F. Sugar-beet blocking by machinery.

Technical Bulletins:

449 T. Storage of mill cane. 5c. For sale only.
 614 T. Influence of farm manure on yields and sucrose of sugar beets. 5c. For sale only.
 688 T. Comparative chemical composition of juices of different varieties of Louisiana sugarcane.
 736 T. Windrowing and storing of sugarcane in Louisiana following injury by freezing temperatures.
 754 T. Chemical composition of sugarcane juice as affected by fertilizers.
 811 T. A comparative analysis of the vegetative characteristics of some variants of *Saccharum spontaneum*.
 845 T. Sugar-beet seed production in southern Utah, with special reference to factors affecting yield and reproductive development.

Yearbook Separates:

1576 Y. Sugarcane: Its origin and improvement. (1936.)
 1577 Y. Improvement of the sugar beet. (1936.)
 1809 Y. Climatic relations of sugarcane and sugar beet. (1941.)

Diseases: Sugar Crops**Circulars:**

350 C. Economic importance of red rot and comparative susceptibility of some sugarcane varieties in the southern United States.
 513 C. Curly-top-resistant sugar-beet varieties in 1938.

Technical Bulletins:

624 T. Studies on the epidemiology of curly top in southern Idaho, with special reference to sugar beets and weed hosts of the vector *Eutettix tenellus*. 10c. For sale only.
 641 T. Red rot of sugarcane.
 666 T. Pythium root rot of sugarcane.

Insects and Other Pests: Sugar Crops**Circulars:**

416 C. Land-improvement measures in relation to a possible control of the beet leafhopper and curly top.
 518 C. Breeding areas and economic distribution of the beet leafhopper in New Mexico, southern Colorado, and western Texas.
 593 C. Apparatus and technique for the study of the egg parasite of the beet leafhopper.

Department Bulletins:

104 D. Thrips as pollinators of beet flowers. 5c. For sale only.

Farmers' Bulletins:

1514 F. Control of sugar-beet nematode by crop rotation.
 1884 F. The sugarcane borer.
 1886 F. The beet leafhopper.

Technical Bulletins:

363 T. The parasites of the sugarcane borer in Argentina and Peru, and their introduction into the United States. 5c. For sale only.
 557 T. Types of vegetation in the San Joaquin Valley of California and their relation to the beet leafhopper.
 607 T. Occurrence of the beet leafhopper and associated insects on secondary plant successions in southern Idaho. 10c. For sale only.
 654 T. Changes in weedy plant cover on cleared sagebrush land and their probable causes.
 743 T. Experiments with *Trichogramma minutum* Riley as a control of the sugarcane borer. 10c. For sale only.
 744 T. Life history of the sugar-beet wireworm in southern California. 15c. For sale only.
 848 T. The ecology of the principal summer weed hosts of the beet leafhoppers in the San Joaquin Valley, California.
 855 T. The beet leafhopper and its control on beets grown for seed in Arizona and New Mexico.

Marketing: Sugar Crops

(See also Bureau List: Office of Marketing Services)

Separates from Agricultural Statistics:

52 SAS. Statistics of cotton, sugar, and tobacco. (1941.)
 74 SAS. Statistics of cotton, sugar, and tobacco. (1943.)

TOBACCO**Circulars:**

249 C. American tobacco types, uses, and markets.
 682 C. Strains of flue-cured tobacco resistant to black shank.

Farmers' Bulletins:

523 F. Tobacco curing.
 571 F. Tobacco culture.
 1580 F. Cigar tobacco production in Pennsylvania. 5c. For sale only.
 1629 F. Steam sterilization of soil for tobacco and other crops.

Technical Bulletins:

587 T. Consumption and production of tobacco in Europe.
 612 T. Symptoms of field-grown tobacco characteristic of the deficient supply of each of several essential chemical elements. 20c. For sale only.
 820 T. Growing tobacco as a source of nicotine.

Yearbook Separates:

1559 Y. Tobacco. (Genetics.) (1936.) 10c. For sale only.
 1806 Y. Climate and tobacco. (1941.) 5c. For sale only.

Diseases: Tobacco**Agricultural War Information Series:**

77 AWI. Tobacco blue mold control.

Circulars:

692 C. Control of bacterial wilt (*Bacterium solanacearum*) of tobacco as influenced by crop rotation and chemical treatment of the soil.

Farmers' Bulletins:

1799 F. Blue mold (downy mildew) diseases of tobacco.
 1952 F. Control of flue-cured tobacco root diseases by crop rotation.

Leaflets:

209 L. Gas treatment for the control of the blue mold disease of tobacco.

Technical Bulletins:

799 T. Gas treatment for the control of the blue mold disease of tobacco.

Insects and Other Pests: Tobacco**Circulars:**

635 C. Control of insects attacking stored tobacco and tobacco products.
 639 C. Insect pests of cigar-type tobaccos in the southern districts.

Farmers' Bulletins:

1494 F. Tobacco cutworms and their control.
 1531 F. The tobacco budworm and its control in the Georgia and Florida tobacco-growing region.

Marketing: Tobacco

(See also Bureau List: Office of Marketing Services)

Circulars:

249 C. American tobacco types, uses, and markets.
 435 C. Tobacco shrinkages and losses in weight in handling and storage. 10c. For sale only.
 519 C. The tobacco industry in Puerto Rico.

Commodity Statistics:

6 CS. Annual report on tobacco statistics, 1943.

Separates from Agricultural Statistics:

52 SAS. Statistics of cotton, sugar, and tobacco. (1941.)
 74 SAS. Statistics of cotton, sugar, and tobacco. (1943.)

Statistical Bulletins:

58 S. First annual report on tobacco statistics (with basic data).
 63 S. Annual report on tobacco statistics, 1937.
 67 S. Annual report on tobacco statistics, 1938.

Publications are free in limited amounts unless priced. Do not send remittances to the U. S. Department of Agriculture. See page 3.

VEGETABLES

(See also Seeds; Weeds; and specific crop)

GARDENING: CITY AND SUBURBAN

Agricultural War Information Series:

30 AWI. Victory Garden leader's handbook.

Farmers' Bulletins:

1390 F. Vegetable seeds for the home and market garden.
1743 F. Hotbeds and coldframes.

Leaflets:

203 L. Disease resistant varieties of vegetables for the home garden.

Miscellaneous Publications:

538 MP. Growing vegetables in town and city.

VEGETABLE GARDENING: FARM

Farmers' Bulletins:

1673 F. The farm garden.
1743 F. Hotbeds and coldframes.

VEGETABLE GARDENING: MARKET

(See also Cabbages; Cucumbers; Onions; Potatoes; Sweetpotatoes; and Tomatoes)

Circulars:

268 C. Golden Cross Bantam sweet corn.
399 C. Machine placement of fertilizers for snap beans in Florida. 5c. For sale only.
500 C. U. S. No. 5 Refugee, a new mosaic-resistant Refugee bean.
537 C. Early Cheyenne pie pumpkin.
595 C. The growth and composition of the fruit of okra in relation to its eating quality.
596 C. The Imperial strains of lettuce.
648 C. Hardiness and productiveness of the U. S. No. 5 Refugee snap bean in the southern United States.
676 C. A key to pea varieties.

Farmers' Bulletins:

232 F. Okra: Its culture and use.
1253 F. Seed peas for the canner.
1269 F. Celery growing. 5c. For sale only.
1390 F. Vegetable seeds for the home and market garden.
1396 F. The dasheen: A southern root crop for home use and market.
1418 F. Lettuce growing in greenhouses.
1509 F. Bean growing in northern Idaho, eastern Washington, and eastern Oregon.
1646 F. Asparagus culture.
1743 F. Hotbeds and coldframes.
1862 F. Vegetable seed treatments.
1915 F. Snap beans for marketing, canning, and freezing.
1920 F. Growing peas for canning and freezing.
1953 F. Lettuce varieties and culture.
1957 F. Cauliflower and broccoli varieties and culture.

Leaflets:

- 116 L. Growing the Jerusalem-artichoke.
- 125 L. Production of carrots.
- 126 L. Rhubarb production.
- 127 L. The culture of table beets.
- 128 L. Production of spinach.
- 129 L. Production and preparation of horseradish.
- 131 L. Production of eggplant.
- 133 L. Production of chicory and endive.
- 134 L. Production of water cress.
- 135 L. Production of salsify, or vegetable-oyster.
- 136 L. Production of parsley.
- 137 L. Rhubarb forcing.
- 138 L. Production of garlic.
- 139 L. Production of roselle.
- 140 L. Production of peppers.
- 141 L. Production of pumpkins and squashes.
- 142 L. Production of turnips and rutabagas.
- 143 L. Production of kale.
- 154 L. Production of parsnips.
- 157 L. Production of radishes.
- 220 L. Storage of vegetable seeds.
- 223 L. Growing field beans in humid areas.

Miscellaneous Publications:

- 170 MP. Descriptions of types of principal American varieties of garden peas. \$1.00. For sale only.
- 374 MP. Descriptions of types of principal American varieties of red garden beets. 35c. For sale only.

Technical Bulletins:

- 33 T. The Jerusalem-artichoke as a crop plant.
- 312 T. Response of sweet corn to varying temperatures from time of planting to canning maturity. 5c. For sale only.
- 514 T. Studies on the culture and certain varieties of the Jerusalem-artichoke.
- 620 T. Genetic relations of some color factors in lettuce.
- 655 T. Dormancy in lettuce seed and some factors influencing its germination.
- 708 T. A study of rapid deterioration of vegetable seeds and methods for its prevention.
- 760 T. Residual effects of forcing and hardening of tomato, cabbage, and cauliflower plants.
- 829 T. Effects of partial defoliation at transplanting time on subsequent growth and yields of lettuce, cauliflower, celery, peppers, and onions.
- 867 T. Responses of beans (*Phaseolus*) and other legumes to length of day.

Yearbook Separates:

- 1807 Y. Climate and vegetable crops. (1941.)

Diseases: Vegetables**Circulars:**

- 473 C. Variety studies in relation to fusarium wilt of peas.

Publications are free in limited amounts unless priced. Do not send remittances to the U. S. Department of Agriculture. See page 3.

Farmers' Bulletins:

- 1692 F. Bean diseases and their control.
- 1735 F. Pea diseases and their control.
- 1862 F. Vegetable seed treatments.
- 1878 F. Bacterial wilt of corn.

Leaflets:

- 174 L. Bean bacterial wilt.

Miscellaneous Publications:

- 121 MP. Market diseases of fruits and vegetables: Tomatoes, peppers, eggplants. 20c. For sale only.
- 440 MP. Market diseases of fruits and vegetables: Asparagus, onions, beans, peas, carrots, celery, and related vegetables.
- 525 MP. A Victory gardener's handbook on insects and diseases.

Technical Bulletins:

- 181 T. Clubroot of crucifers. 5c. For sale only.
- 186 T. The bacterial blight of beans caused by *Bacterium phaseoli*. 10c. For sale only.
- 318 T. Effect of solid and gaseous carbon dioxide upon transit diseases of certain fruits and vegetables. 10c. For sale only.
- 519 T. Transit and storage diseases of fruits and vegetables as affected by initial carbon dioxide treatments.
- 548 T. Control of southern celery mosaic in Florida by removing weeds that serve as sources of mosaic infection. 5c. For sale only.
- 647 T. Field studies of certain diseases of snap beans in the Southeast.
- 810 T. The factorial interpretation of anthracnose resistance in beans.
- 868 T. A monographic study of bean diseases and methods for their control.

Posters:

- No. 25. Pepper diseases. $7\frac{1}{4}$ by 12 inches. Colored. 5c. For sale only.
 - A. Rhizopus rot.
 - B. Bacterial spot.
 - C, D, E. Anthracnose, various stages.
- No. 26. Eggplant diseases. $7\frac{1}{4}$ by 12 inches. Colored. 5c. For sale only.
 - Fruit rot.
- No. 54. Radish and turnip diseases. $7\frac{1}{4}$ by 12 inches. Black and white. 5c. For sale only.
 - A. Black rot of radish.
 - B. Downy mildew discoloration of turnip root.
- No. 58. Squash diseases. $7\frac{1}{4}$ by 12 inches. Colored. 5c. For sale only.
 - Rhizopus rot.

Insects and Other Pests: Vegetables**Agricultural War Information Series:**

- 58 AWI. Victory gardeners can prevent earworms from entering their corn.

Circulars:

246 C. Life history and control of the Asiatic garden beetle.

416 C. Land-improvement measures in relation to a possible control of the beet leafhopper and curly top.

494 C. The Texas leaf-cutting ant and its control.

518 C. Breeding areas and economic distribution of the beet leafhopper in New Mexico, southern Colorado, and western Texas.

530 C. The vegetable weevil.

657 C. Mineral-oil treatment of sweet corn for earworm control.

675 C. Control of the Mexican bean beetle in irrigated districts in the West.

Farmers' Bulletins:

1275 F. Weevils in beans and peas.

1624 F. The Mexican bean beetle in the East and its control.

1856 F. The Japanese beetle and its control.

1863 F. The turnip aphid in the Southern States and methods for its control.

1886 F. The beet leafhopper.

1895 F. Land slugs and snails and their control.

1945 F. The pea aphid on peas and methods for its control.

Leaflets:

2 L. Cutworms in the garden.

225 L. Protecting market sweet corn from the European corn borer.

226 L. The pepper weevil.

Miscellaneous Publications:

525 MP. A Victory gardener's handbook on insects and diseases.

526 MP. Insecticides and equipment for controlling insects on fruits and vegetables.

Technical Bulletins:

395 T. Subfreezing temperatures lethal to the European corn borer infesting green ears of sweet corn. 5c. For sale only.

463 T. Biological and ecological factors in the control of the celery leaf tier in Florida. 10c. For sale only.

593 T. The bean weevil and the southern cowpea weevil in California. 10c. For sale only.

607 T. Occurrence of the beet leafhopper and associated insects on secondary plant successions in southern Idaho. 10c. For sale only.

618 T. Biological studies on the leafhopper *Emoiasca fabae* as a bean pest. 10c. For sale only.

723 T. Biology of the seed-corn maggot in the coastal plain of the South Atlantic States. 10c. For sale only.

740 T. Studies of methods and materials for the control of the leafhopper *Emoiasca fabae* as a bean pest. 10c. For sale only.

Technical Bulletins—Continued.

744 T. Life history of the sugar-beet wireworm in southern California. 15c. For sale only.
 846 T. The cabbage looper as a pest of lettuce in the Southwest.
 880 T. Mineral oils, alone or combined with insecticides for the control of earworms in sweet corn.

Picture Sheets:

No. 2. Mexican bean beetle. $5\frac{3}{4}$ by $9\frac{1}{4}$ inches. Colored.
 No. 10. Squash borer. $5\frac{3}{4}$ by $9\frac{1}{4}$ inches. Colored.

Marketing: Vegetables**Agricultural War Information Series:**

33 AWI. Salvage and re-use of fruit and vegetable containers.
 99 AWI. Twelve points in grading dry edible beans.

Circulars:

447 C. The freezing temperatures of some fruits, vegetables, and florists' stocks.
 644 C. The marketing of greens.
 713 C. Freezing injury of fruits and vegetables. 10c. For sale only.

Farmers' Bulletins:

1594 F. Preparation of bunched beets, carrots, and turnips for market.
 1821 F. Containers for fruits and vegetables.

Miscellaneous Publications:

75 MP. Method of testing the capacity of fruit and vegetable containers under the United States Standard Container Acts. 5c. For sale only.
 167 MP. A fruit and vegetable buying guide for consumers.
 460 MP. The A B C of canned fruit and vegetable labeling.

Separates from Agricultural Statistics:

53 SAS. Statistics of fruits, vegetables, melons, and tree nuts. (1941.)
 76 SAS. Statistics of fruits, vegetables, melons, and tree nuts. (1943.)

Statistical Bulletins:

30 S. Car-lot shipments and unloads of important fruits and vegetables for the calendar years 1927 and 1928. 25c. For sale only.
 53 S. Car-lot shipments and unloads of nineteen important fruits and vegetables for the calendar years 1933 and 1934.

Technical Bulletins:

272 T. The marketing and distribution of fruits and vegetables by motortruck.
 445 T. Market distribution of car-lot shipments of fruits and vegetables in the United States.
 627 T. Body icing in transit refrigeration of vegetables.

Technical Bulletins—Continued.

712 T. Marketing commercial lettuce.

771 T. Calorimetric measurements of the heat of respiration of fruits and vegetables.

Unnumbered:

The wholesale fruit and vegetable markets of New York City.

CABBAGES

(See also Vegetable Gardening)

Circulars:

571 C. Chinese cabbage varieties, their classification, description, and culture in the central Great Plains.

Miscellaneous Publications:

169 MP. Description of types of principal American varieties of cabbage. 50c. For sale only.

Technical Bulletins:

760 T. Residual effects of forcing and hardening of tomato, cabbage, and cauliflower plants.

Diseases: Cabbages**Farmers' Bulletins:**

1439 F. Diseases of cabbage and related plants.

Technical Bulletins:

181 T. Clubroot of crucifers. 5c. For sale only.

Posters:No. 51. Cabbage diseases. $7\frac{1}{4}$ by 12 inches. Black and white. 5c. For sale only.Black rot (caused by the bacterium, *B. campestre*).**Insects and Other Pests: Cabbages****Circulars:**

615 C. Studies on the control of cabbage caterpillars with derris in the South.

Technical Bulletins:

782 T. Field studies of insecticides used to control cabbage caterpillars in the South.

Picture Sheets:No. 9. Imported cabbage worm. $5\frac{3}{4}$ by $9\frac{1}{4}$ inches. Colored. 5c. For sale only.**Marketing: Cabbages****Farmers' Bulletins:**

1423 F. Preparation of cabbage for market.

Technical Bulletins:

646 T. Marketing commercial cabbage.

CUCUMBERS

(See also Vegetable Gardening)

Farmers' Bulletins:

1320 F. The production of cucumbers in greenhouses.

1563 F. Cucumber growing.

1620 F. Growing cucumbers for pickling. 5c. For sale only.

Diseases: Cucumbers

Department Bulletins:

1461 D. Control of cucumber mosaic by eradication of wild host plants. 10c. For sale only.

Insects: Cucumbers

Picture Sheets:

No. 7. Striped cucumber beetle. 5¾ by 9¼ inches. Colored. 5c. For sale only.

ONIONS

(See also Vegetable Gardening)

Circulars:

512 C. Longevity of onion seed in relation to storage conditions. 5c. For sale only.

Farmers' Bulletins:

354 F. Onion culture.
 434 F. The home production of onion seed and sets. 5c. For sale only.
 1955 F. Onion-set production.
 1956 F. Growing the transplant onion crop.

Miscellaneous Publications:

435 MP. Descriptions of types of principal American varieties of onions.

Technical Bulletins:

829 T. Effects of partial defoliation at transplanting time on subsequent growth and yield of lettuce, cauliflower, celery, peppers, and onions.
 874 T. Inbreeding and heterosis and their relation to the development of new varieties of onions.

Diseases: Onions

Farmers' Bulletins:

1060 F. Onion diseases and their control.

Miscellaneous Publications:

440 MP. Market diseases of fruits and vegetables: Asparagus, onions, beans, peas, carrots, celery, and related vegetables.

Marketing: Onions

Circulars:

135 C. Blemishes and discolorations of market onions. 5c. For sale only.

Technical Bulletins:

555 T. Marketing onions.

POTATOES

(See also Vegetable Gardening and Sweetpotatoes)

Agricultural War Information Series:

88 AWI. Good seed potatoes give best results.

Circulars:

191 C. Time of planting as affecting yields of Rural New Yorker and Triumph potatoes in the Greeley, Colo., district. 5c. For sale only.

Circulars—Continued.

465 C. Effect of storage and repeated sprouting of seed potatoes on their growth and productiveness. 5c. For sale only.
 493 C. The Earlaine potato, a new early variety.
 665 C. The Pawnee potato. 5c. For sale only.

Farmers' Bulletins:

1843 F. Potato production in the Western States.
 1904 F. Potato production in the Southern States.
 1958 F. Potato production in the Northeastern and North Central States.

Technical Bulletins:

507 T. The cooking quality, palatability, and carbohydrate composition of potatoes as influenced by storage temperature.
 669 T. Fertilizer placement for potatoes.

Diseases: Potatoes**Agricultural War Information Series:**

18 AWI. Protecting potatoes from late blight.

Circulars:

271 C. Virus and viruslike diseases of the potato in the Northwest and their control. 5c. For sale only.

Farmers' Bulletins:

1881 F. Potato diseases and their control.

Posters:

No. 1. Potato diseases. $7\frac{1}{4}$ by 12 inches. Colored. 5c.
 For sale only.
 A. Black leg, eastern type.
 B. C. Alternaria tuber rot.
 D. Blackleg, western type.
 E. Silver scurf.

No. 2. Potato diseases. $7\frac{1}{4}$ by 12 inches. Colored. 5c.
 For sale only.
 A, B. Bacterial soft rot or slimy soft rot.
 C, D, E. Brown rot or southern bacterial wilt.
 F, G. Sclerotium rot.

No. 3. Potato injuries. $7\frac{1}{4}$ by 12 inches. Colored. 5c.
 For sale only.
 A, B. Chemical injury.
 C, D, E. Black-heart.
 F. Greening or sunburn.
 G. Enlarged lenticels.

No. 4. Potato injuries. $7\frac{1}{4}$ by 12 inches. Colored. 5c.
 For sale only.
 A. Freezing injury, general type.
 B. Freezing necrosis.
 C. Internal brown spot.
 D. Heat and drought necrosis.
 E. Net necrosis.

No. 5. Potato diseases. $7\frac{1}{4}$ by 12 inches. Colored. 5c.
 For sale only.
 A, B, C. Fusarium tuber rot, wet type.

No. 6. Potato diseases. $7\frac{1}{4}$ by 12 inches. Colored. 5c.
 For sale only.

A. Fusarium tuber rot.
 B, C, D. Fusarium tuber rot.

Posters—Continued.

No. 7. Potato diseases. $7\frac{1}{4}$ by 12 inches. Colored. 5c.
For sale only.
A, B. Fusarium stem-end rot.
C. Jelly end rot.
D, E. Fusarium wilt.

No. 8. Potato injuries. $7\frac{1}{4}$ by 12 inches. Colored. 5c.
For sale only.
A. Hollow heart.
B. Growth cracks.
C. Mechanical injury and immaturity.
D. Second growth, knobbiness, and immaturity.

No. 9. Potato diseases. $7\frac{1}{4}$ by 12 inches. Colored. 5c.
For sale only.
A, B, D, E. Late blight tuber rot, shallow lesion type.
C, F. Late blight tuber rot, deep soft lesion type in southern stock.

No. 10. Potato diseases. $7\frac{1}{4}$ by 12 inches. Colored. 5c.
For sale only.
A, B. Scald, caused by exposure to sun after digging.
C, D. Leak (Pythium species).

No. 11. Potato diseases. $7\frac{1}{4}$ by 12 inches. Colored. 5c.
For sale only.
A, B. Wart.
C, D. Powdery scab.

No. 12. Potato diseases. $7\frac{1}{4}$ by 12 inches. Colored. 5c.
For sale only.
A. Scab, early stage, mild type.
B. Scab, late severe type.
C. Black scurf.
D. Russet scab.

No. 13. Potato injuries. $7\frac{1}{4}$ by 12 inches. Colored. 5c.
For sale only.
A, B. Flea-beetle injury.
C. Nematode injury.
D, E. Tuber-moth injury.

Insects and Other Pests: Potatoes**Farmers' Bulletins:**

1462 F. The potato leafhopper and how to control it. 5c. For sale only.

Leaflets:

229 L. The potato leafhopper, a pest of alfalfa in the Eastern States.

Technical Bulletins:

719 T. Prevention of damage by the seed-corn maggot to potato seed pieces.

Picture Sheets:

No. 3. Colorado potato beetle. $5\frac{3}{4}$ by $9\frac{1}{4}$ inches. Colored.
No. 8. Potato leafhopper. $5\frac{3}{4}$ by $9\frac{1}{4}$ inches. Colored.

Marketing: Potatoes

(See also Bureau List: Office of Marketing Services)

Circulars:

475 C. Marketing the late crop of potatoes.

Technical Bulletins:

7 T. Origin and distribution of the commercial potato crop.
 668 T. Bruising, freezing, and chemical injury of potatoes in transit. 5c. For sale only.

SWEETPOTATOES*(See also Vegetable Gardening, and Potatoes)***Circulars:**

498 C. Effect of potash on grade, shape, and yield of certain varieties of sweetpotatoes grown in South Carolina. 5c. For sale only.
 499 C. A comparative study of suitability for drying purposes in forty varieties of the sweetpotato.
 502 C. Sweetpotato propagation and transplanting studies.
 653 C. Cooperative tests of sweetpotato varieties, introductions, and seedlings for starch production and market purposes.
 714 C. Place and season effects on yields and starch content of 38 kinds of sweetpotatoes.

Farmers' Bulletins:

999 F. Sweetpotato growing.
 1267 F. Utilization of flue-heated tobacco barns for sweetpotato storage.

Diseases: Sweetpotatoes**Agricultural War Information Series:**

27 AWI. Saving sweetpotatoes from black rot.

Farmers' Bulletins:

1059 F. Sweetpotato diseases.

Insects and Other Pests: Sweetpotatoes**Leaflets:**

121 L. The sweetpotato weevil and how to control it.

Marketing: Sweetpotatoes**Circulars:**

699 C. Curing and storage methods in relation to quality of Porto Rico sweetpotatoes.

Farmers' Bulletins:

1267 F. Utilization of flue-heated tobacco barns for sweetpotato storage.
 1442 F. Storage of sweetpotatoes.

TOMATOES*(See also Vegetable Gardening)***Circulars:**

388 C. The Glovel tomato.
 533 C. Results of tomato variety tests in the Great Plains region.
 584 C. Development of interspecific tomato hybrids of horticultural value and highly resistant to fusarium wilt.
 611 C. The Pan-America tomato, a new red variety highly resistant to fusarium wilt.

Circulars—Continued.

652 C. Relative resistance of tomato varieties, selections, and crosses to defoliation by *Alternaria* and *Stemphylium*.
 695 C. Maturity and handling of green-wrap tomatoes in Mississippi.
 712 C. Pruning and training tomatoes in the South.

Farmers' Bulletins:

1431 F. Greenhouse tomatoes.
 1901 F. Production of tomatoes for canning and manufacturing.

Miscellaneous Publications:

382 MP. A revision of the genus *Lycopersicon*.
 502 MP. Factors influencing the nutritive value of the tomato.

Technical Bulletins:

760 T. Residual effects of forcing and hardening of tomato, cabbage, and cauliflower plants.

Diseases: Tomatoes**Circulars:**

169 C. Tomato late-blight rot: A serious transit and market disease.
 371 C. Development of phoma rot of tomatoes in transit and in storage.
 652 C. Relative resistance of tomato varieties, selections, and crosses to defoliation by *Alternaria* and *Stemphylium*.

Farmers' Bulletins:

1934 F. Tomato diseases.

Miscellaneous Publications:

121 MP. Market diseases of fruits and vegetables: Tomatoes, peppers, eggplants. 20c. For sale only.

Technical Bulletins:

705 T. Differences in growth characters and pathogenicity of fusarium wilt isolations tested on three tomato varieties.

Posters:

No. 16. Tomato diseases. $7\frac{1}{4}$ by 12 inches. Colored. 5c.
 For sale only.

A. Anthracnose rot.
 B. Ring rot.
 C. Phoma rot, early stage.
 D, E. Phoma rot, late stages.

No. 17. Tomato diseases. $7\frac{1}{4}$ by 12 inches. Colored. 5c.
 For sale only.

A. Bacterial spot, very early stage.
 B, C. Bacterial spot, medium and late stages.
 D, E. Bacterial canker.

No. 18. Tomato diseases. $7\frac{1}{4}$ by 12 inches. Colored. 5c.
 For sale only.

Tomato Diseases—Continued.

A, B. Blossom-end rot.

C. Catface.

D. Growth cracks.

E. Skin checks and cracks.

No. 19. Tomato diseases. $7\frac{1}{4}$ by 12 inches. Colored. 5c.
For sale only.

A, B, C. Late blight rot.

D, E, F. Buckeye rot.

No. 20. Tomato diseases. $7\frac{1}{4}$ by 12 inches. Colored. 5c.
For sale only.

A, B, C. Green mold rot.

D. Rhizopus rot.

No. 21. Tomato diseases. $7\frac{1}{4}$ by 12 inches. Colored. 5c.
For sale only.

A, B. Nailhead spot, early stages.

C, D, E. Nailhead spot, medium and late stages.

No. 22. Tomato diseases. $7\frac{1}{4}$ by 12 inches. Colored. 5c.
For sale only.

A, B. Sulphur dioxide injury.

C, D, E. Streak.

No. 23. Tomato diseases. $7\frac{1}{4}$ by 12 inches. Colored. 5c.
For sale only.

Soil rot, various stages.

No. 24. Tomato diseases. $7\frac{1}{4}$ by 12 inches. Colored. 5c.
For sale only.

A. Sun scald.

B. Alternaria rot.

C. Sun scald followed by bacterial soft rot.

D. Fusarium rot.

E. Soil rot, early stage on green fruit.

Insects and Other Pests: Tomatoes**Technical Bulletins:**

841 T. Life history and control of the tomato pin-worm.

Picture Sheets:No. 1. Tomato hornworms. $5\frac{3}{4}$ by $9\frac{1}{4}$ inches. Colored.No. 13. Tomato fruitworm. $5\frac{3}{4}$ by $9\frac{1}{4}$ inches. Colored.**Marketing: Tomatoes**

(See also Bureau List: Office of Marketing Services)

Circulars:

566 C. The ripening and repacking of mature-green tomatoes.

695 C. Maturity and handling of green-wrap tomatoes in Mississippi.

Farmers' Bulletins:

1291 F. Preparation of fresh tomatoes for market.

Technical Bulletins:

268 T. Effect of various temperatures on the storage and ripening of tomatoes.

Publications are free in limited amounts unless priced. Do not send remittances to the U. S. Department of Agriculture. See page 3.

WEEDS AND NOXIOUS PLANTS

Circulars:

691 C. Management of sheep on range infested with orange sneezeweed.

Department Bulletins:

1245 D. Stock-poisoning plants of the range.

Farmers' Bulletins:

988 F. Larkspur or "poison weed."

1054 F. The loco-weed disease.

1161 F. Dodder.

1166 F. Poison ivy and poison sumac and their eradication. 5c. For sale only.

1273 F. The stock-poisoning death camas.

1537 F. Johnson grass as a weed.

1948 F. Sagebrush burning—good and bad.

Leaflets:

43 L. Wild garlic and its control.

88 L. Poisoning of livestock by plants that produce hydrocyanic acid.

95 L. How to control ragweed, the principal cause of autumn hay fever.

175 L. Eradication of the cultivated black currant in white pine regions.

210 L. Pricklypear control on short-grass range in the central Great Plains.

234 L. Control of mesquite on southwestern ranges.

Miscellaneous Publications:

131 MP. A dangerous neighbor for wheat, oats, barley, and rye (Barberry).

Technical Bulletins:

219 T. Mountain-laurel (*Kalmia latifolia*) and sheep laurel (*Kalmia angustifolia*) as stock-poisoning plants.

240 T. The chemical eradication of *Ribes*. 10c. For sale only.

261 T. Longevity and germination of seeds of *Ribes*, particularly *R. rotundifolium*, under laboratory and natural conditions.

300 T. Susceptibility and resistance of *Berberis* and related genera to *Puccinia graminis*. 10c. For sale only.

472 T. The desert milkweed (*Asclepias subulata*) as a possible source of rubber.

548 T. Control of southern celery mosaic in Florida by removing weeds that serve as sources of mosaic infection. 5c. For sale only.

580 T. Toxicity of arrowgrass for sheep and remedial treatment.

648 T. Comparative susceptibility of crop plants to sodium chlorate injury. 10c. For sale only.

654 T. Changes in weedy plant cover on cleared sagebrush land and their probable causes.

692 T. Chemical and mechanical methods of *ribes* eradication in the white-pine areas of the Western States. 15c. For sale only.

Yearbook Separates:

1886 Y. Plants poisonous to livestock.

PUERTO RICO

(These publications relate to conditions within
Puerto Rico only)

Circulars:

519 C. The tobacco industry in Puerto Rico.

Miscellaneous Publications:

243 MP. Manual of the grasses of the West Indies.
513 MP. Pastures of Puerto Rico and their relation
to soil conservation.

Puerto Rico Experiment Station Bulletins:

35 PRB. Sugarcane variety P.O.J. 2878 in Puerto
Rico. 5c. For sale only.
36 PRB. Parasites and parasitic diseases of cattle
in Puerto Rico. 5c. For sale only.
39 PRB. Insects and a mite found on cotton in Puerto
Rico, with notes on their economic im-
portance and natural enemies. 5c. For
sale only.
40 PRB. The biology of *Metagonistylum minens*
Tns., a parasite of the sugarcane borer.
10c. For sale only.
41 PRB. A study of the adult populations of the
West Indian fruitfly in citrus plantings in
Puerto Rico. 10c. For sale only.
42 PRB. Vanilla curing and its chemistry. 5c. For
sale only.

Puerto Rico Experiment Station Circulars:

17 PRC. Some means of controlling insects, fungi,
and other pests in Puerto Rico. 5c. For
sale only.
22 PRC. An annotated check list of the parasites of
animals in Puerto Rico. 5c. For sale
only.
23 PRC. Experiments in controlling corn ear pests
in Puerto Rico. 5c. For sale only.
24 PRC. Derris culture in Puerto Rico. 10c. For
sale only.

Unnumbered:

Informe de la estacion experimental de Puerto Rico,
1939. (In Spanish.)
La conservacion del suelo en Puerto Rico. (In Spanish.)
Metodos modernos para conservacion de suelos en Puerto
Rico. (In Spanish.)
Informe de la estacion experimental de Puerto Rico,
1941. (In Spanish.)
Informe de la estacion experimental de Puerto Rico,
1942. (In Spanish.)
Informe de la estacion experimental de Puerto Rico,
1943. (In Spanish.)

Yearbook Separates:

1796 Y. Climate and settlement of Puerto Rico and
the Hawaiian Islands. (1941.) 5c. For
sale only.

Publications are free in limited amounts unless priced. Do not
send remittances to the U. S. Department of Agriculture. See page 3.

Annual Reports of the Puerto Rico Agricultural Experiment Station:
 1940, 25c, for sale only. 1942, 10c, for sale only.
 1941, 10c, for sale only. 1943, 10c, for sale only.

SOILS

(See also Charts—Maps—Posters; Bureau List: Agricultural Adjustment Agency and Agricultural Research Administration)

GENERAL

Circulars:

- 56 C. Methods for determining the hydrogen-ion concentration of soils. 5c. For sale only.
- 139 C. Method and procedure of soil analysis used in the Division of Soil Chemistry and Physics.
- 167 C. Moss peat, its uses and distribution in the United States.
- 290 C. Grades of peat and muck for soil improvement.
- 492 C. Pecan soils of the Gulf and Southeastern States and maintenance of their fertility.
- 703 C. Method of testing legume bacteria cultures and results of tests of commercial inoculants in 1943.
- 707 C. Saline soils, their nature and management.

Department Bulletins:

- 1226 D. The recovery of potash as a by-product in the blast-furnace industry. 5c. For sale only.
- 1419 D. Factors and problems in the selection of peat lands for different uses.

Farmers' Bulletins:

- 1629 F. Steam sterilization of soil for tobacco and other crops.

Miscellaneous Publications:

- 248 MP. Peat land in the Pacific Coast States in relation to land and water resources.
- 259 MP. Comparison of various chemical quick tests on different soils.
- 312 MP. Bibliography on soil erosion and soil and water conservation.
- 369 MP. The mineral composition of crops with particular reference to the soils in which they were grown.

Technical Bulletins:

- 178 T. Properties of soils which influence soil erosion. 5c. For sale only.
- 228 T. Character of the colloidal materials in the profiles of certain major soil groups.
- 316 T. Physical and chemical characteristics of the soils from the erosion experiment stations.
- 344 T. Petrographic methods for soil laboratories.
- 371 T. The effect of different colloidal soil materials on the efficiency of superphosphate.
- 399 T. A study of claypan soils.

Publications are free in limited amounts unless priced. Do not send remittances to the U. S. Department of Agriculture. See page 3.

Technical Bulletins—Continued.

430 T. The physical and chemical characteristics of the soils from the erosion experiment stations—second report.

443 T. Application of steam in the sterilization of soils. 5c. For sale only.

461 T. Base exchange and related properties of the colloids of soils from the erosion experiment stations.

471 T. Chemical studies of infertile soils derived from rocks high in magnesium and generally high in chromium and nickel. 5c. For sale only.

482 T. Selenium occurrence in certain soils in the United States with a discussion of related topics. First report.

484 T. The composition and constitution of the colloids of certain of the great groups of soils. 5c. For sale only.

502 T. The chemical and physical properties of dry-land soils and of their colloids.

530 T. Selenium occurrence in certain soils in the United States with a discussion of related topics. Second report.

532 T. The comparative moisture-absorbing and moisture-retaining capacities of peat and soil mixtures.

552 T. Trace elements in the soils from the erosion experiment stations, with supplementary data on other soils.

562 T. Some moisture relations of the soils from the erosion experiment stations.

584 T. Chemical and physical studies of certain Hawaiian soil profiles.

594 T. The chemical composition of soils and colloids of the Norfolk and related soil series.

601 T. Selenium occurrence in certain soils in the United States with a discussion of related topics. Third report. 15c. For sale only.

609 T. Chemical and physical properties of certain soils developed from granitic materials in New England and the Piedmont, and of their colloids.

617 T. Conservation and use of soil moisture at Mandan, N. Dak.

678 T. A chemical study of some soils derived from limestone.

690 T. The acidic properties of peat and muck.

696 T. The behavior of boron in soils. 15c. For sale only.

713 T. Types of vegetation in Escalante Valley, Utah, as indicators of soil conditions.

729 T. Relative infiltration and related physical characteristics of certain soils.

732 T. Arsenic distribution in soils and its presence in certain plants.

745 T. Hardpan and microrelief in certain soil complexes of California.

Technical Bulletins—Continued.

752 T. Rock weathering and soil profile development in the Hawaiian Islands.

758 T. Selenium occurrence in certain soils in the United States, with a discussion of related topics: Fifth report.

769 T. Peat resources in Alaska.

783 T. Selenium occurrence in certain soils in the United States, with a discussion of related topics. Sixth report.

797 T. Boron distribution in soils and related data.

813 T. Soluble material of soils in relation to their classification and general fertility.

825 T. Effect of mulches and surface conditions on the water relations and erosion of Muskingum soils. 5c. For sale only.

833 T. Chemical and physical properties of some of the important alluvial soils of the Mississippi drainage basin.

834 T. Morphology and composition of some soils of the Miami family and the Miami Catena.

Yearbooks:

1938 YB. Soils and men. \$1.75. For sale only.

Yearbook Separates:

1649 Y. Drainage in the humid regions. (1938.) 5c. For sale only.

1654 Y. Selenium in soils. (1938.)

1661 Y. Fauna and flora of the soil. (1938.)

1800 Y. Climate and soil. (1941.) 5c. For sale only.

SOIL CONSERVATION: GENERAL

(See also Charts—Maps—Posters; Forestry: Forest Influences; Water; Weather and Climate; Bureau List: Agricultural Adjustment Agency, and Soil Conservation Service)

Agricultural War Information Series:

23 AWI. Contour farming boosts yields.

79 AWI. Protect terrace outlets with grass for food production.

98 AWI. Can you also profit from soil conservation?

Circulars:

380 C. Erosion and control on mountain roads.

412 C. Groups of plants valuable for wildlife utilization and erosion control. 5c. For sale only.

559 C. Review and discussion of literature pertinent to crop rotations for erodible soils.

608 C. Surface condition of soil and time of application as related to intake of water. 10c. For sale only.

660 C. Controlling coastal sand dunes in the Pacific Northwest.

Farmers' Bulletins:

1758 F. Cover crops for soil conservation. 5c. For sale only.

1789 F. Terracing for soil and water conservation.

Farmers' Bulletins—Continued.

1797 F. Implements and methods of tillage to control soil blowing on the northern Great Plains.

1813 F. Prevention and control of gullies.

1814 F. Terrace outlets and farm drainageways.

1853 F. Classifying land for conservation farming.

1900 F. Pastures to hold and enrich the soil.

1909 F. More food through conservation farming.

1913 F. Regrassing for soil protection in the Southwest.

1917 F. Stubble-mulch farming for soil defense.

1919 F. Strip cropping for war production.

1942 F. Good pastures.

1946 F. Lupines: New legumes for the South.

Leaflets:

163 L. Legumes in soil conservation practices.

164 L. Erosion on roads and adjacent lands.

165 L. Soil-depleting, soil-conserving, and soil-building crops.

188 L. Protecting field borders.

208 L. Intensive projects under the Cooperative Farm Forestry Act.

214 L. Plowing terraced land.

Miscellaneous Publications:

253 MP. Conservation farming practices and flood control.

286 MP. What is soil erosion? 15c. For sale only.

293 MP. Soil conservation districts for erosion control. 10c. For sale only.

303 MP. Native woody plants of the United States: Their erosion control and wildlife values. \$1.75. For sale only.

312 MP. Bibliography on soil erosion and soil and water conservation.

331 MP. The land in flood control. 10c. For sale only.

352 MP. Soil conservation survey handbook.

369 MP. The mineral composition of crops with particular reference to the soils in which they were grown. A review and compilation.

372 MP. A survey and discussion of lysimeters and a bibliography on their construction and performance.

397 MP. Influences of vegetation and watershed treatment on run-off, silting, and stream flow.

411 MP. Working plans for permanent farms. 15c. For sale only.

412 MP. Legumes for erosion control and wildlife.

446 MP. Publications and visual information on soil conservation.

448 MP. Soil conservation districts in action on the land.

449 MP. Early American soil conservationists.

463 MP. A method of estimating the economic effects of planned conservation in an individual farm.

Miscellaneous Publications—Continued.

473 MP. New landmarks of soil conservation.

486 MP. Teamwork to save soil and increase production.

494 MP. Using crop residues for soil defense. 5c. For sale only.

496 MP. Wartime farming on the southern Great Plains. 10c. For sale only.

497 MP. Wartime farming on the northern Great Plains. 10c. For sale only.

516 MP. Erosion lowers wartime production on northeastern farms.

548 MP. Thomas Jefferson, soil conservationist. 10c. For sale only.

Technical Bulletins:

178 T. Properties of soils which influence soil erosion. 5c. For sale only.

316 T. Physical and chemical characteristics of the soils from the erosion experiment stations.

430 T. The physical and chemical characteristics of the soils from the erosion experiment station. Second report.

461 T. Base exchange and related properties of the colloids of soils from the erosion experiment stations.

695 T. Some principles of accelerated stream and valley sedimentation.

698 T. Rainfall characteristics as related to soil erosion.

729 T. Relative infiltration and related physical characteristics of certain soils.

825 T. Effect of mulches and surface conditions on the water relations and erosion of Muskingum soils. 5c. For sale only.

837 T. Investigations in erosion control and reclamation of eroded land at the Red Plains Conservation Experiment Station, Guthrie, Okla., 1930-40.

859 T. Investigations in erosion control and reclamation of eroded land at the Blackland Conservation Experiment Station, Temple, Tex., 1931-41.

860 T. Investigations in erosion control and the reclamation of eroded land at the Palouse Conservation Experiment Station, Pullman, Wash., 1931-42.

873 T. Investigation in erosion control and the reclamation of eroded land at the Central Piedmont Conservation Experiment Station, Statesville, N. C., 1930-40.

Yearbooks:

1938 YB. Soils and men. \$1.75. For sale only.

Yearbook Separates.

1639 Y. General aspects of the soil-erosion problem. (1938.) 5c. For sale only.

Yearbook Separates—Continued.

1738 Y. The challenge of conservation. (1940.) 5c.
For sale only.
1739 Y. Our soil can be saved. (1940.) 5c. For
sale only.

Unnumbered:

A standard State soil conservation district law. 10c.
For sale only.
Better harvests through conservation farming. 5c. For
sale only.
Contoured acres fight.
Guarding a heritage.
Headwaters: Control and use. \$1.00. For sale only.
La conservacion del suelo en Puerto Rico. (In Spanish.)
Land use and soil conservation: Informational material
available to the public from the U. S. Department of
Agriculture, Soil Conservation Service.
Metodos modernos para conservacion de suelo en Puerto
Rico. (In Spanish.)
New landmarks of soil conservation.
On the level: Contour cultivation in conservation
farming.
Soils and security. 5c. For sale only.
The land we defend.
The work of the Soil Conservation Service.

Posters:

Soil conservation is vital to you. 13½ by 19 inches.
Colored.

SOIL BUILDING AND CONSERVING CROPS
(See also under specific crop)

Agricultural War Information Series:

67 AWI. Legume cover crops to boost production in
the South.

Circulars:

328 C. Methods of re-establishing buffalo grass on
cultivated land in the Great Plains.
430 C. Emergency wind-erosion control.
534 C. *Lespedeza sericea* and other perennial lespe-
dezas for forage and soil conservation.
536 C. The annual lespedezas as forage and soil-
conserving crops.
559 C. Review and discussion of literature perti-
nent to crop rotations for erodible soils.

Farmers' Bulletins:

1126 F. Sudan grass.
1148 F. Cowpeas: Culture and varieties.
1153 F. Cowpeas: Utilization.
1254 F. Important cultivated grasses.
1276 F. The velvetbean.
1520 F. Soybeans: Culture and varieties.
1597 F. The production of Johnson grass for hay
and pasturage.
1602 F. Reed canary grass.
1617 F. Soybean utilization.
1640 F. Fall-sown oat production.
1653 F. Sweetclover in Corn Belt farming.

Farmers' Bulletins—Continued.

1663 F. Winter legumes for green manure in Cotton Belt.

1722 F. Growing alfalfa.

1741 F. Bur-clover cultivation and utilization.

1750 F. Summer crops for green manure and soil improvement.

1758 F. Cover crops for soil conservation. 5c. For sale only.

1771 F. Preventing soil blowing on the southern Great Plains.

1784 F. Nitrogen fixing bacteria and legumes.

1789 F. Terracing for soil and water conservation.

1790 F. The Nichols terrace: An improved channel-type terrace for the Southeast.

1801 F. Making lime on the farm.

1803 F. Culture and pests of field peas.

1812 F. Native and adapted grasses for conservation of soil and moisture in the Great Plains and Western States.

1813 F. Prevention and control of gullies.

1814 F. Terrace outlets and farm drainageways.

1825 F. Sand-dune reclamation in the southern Great Plains.

1833 F. Crops against the wind on the southern Great Plains.

1840 F. Kudzu for erosion control in the Southeast.

1845 F. The liming of soils.

1852 F. Lespedeza culture and utilization.

1859 F. Stock-water developments: Wells, springs, and ponds.

1900 F. Pastures to hold and enrich the soil.

1909 F. More food through conservation farming.

1919 F. Strip cropping for war production.

1923 F. Kudzu as a farm crop.

1942 F. Good pastures.

1946 F. Lupines, new legumes for the South.

Leaflets:

23 L. Sweet clover.

104 L. Crested wheatgrass.

110 L. Why red clover fails. 5c. For sale only.

114 L. Vine-mesquite for erosion control on southwestern ranges.

163 L. Legumes in soil conservation practices.

165 L. Soil-depleting, soil-conserving and soil-building crops.

188 L. Protecting field borders.

190 L. Mulching to establish vegetation on eroded areas of the Southeast.

200 L. Shrubs for wildlife on farms in the Southeast.

214 L. Plowing terraced land.

Miscellaneous Publications:

194 MP. A pasture handbook. 10c. For sale only.

253 MP. Conservation farming practices and flood control.

411 MP. Working plans for permanent farms. 15c. For sale only.

Miscellaneous Publications—Continued.

486 MP. Teamwork to save soil and increase production.
 494 MP. Using crop residues for soil defense. 5c. For sale only.

Technical Bulletins:

742 T. Methods of distinguishing between the shipmaste and common forms of black locust on Long Island, N. Y.

Unnumbered:

Better harvests through conservation farming. 5c. For sale only.
 On the level—Contour cultivation in conservation farming.
 Plowing for terrace maintenance in the South.
 Terrace construction with small equipment in the South.

FERTILIZERS**Agricultural War Information Series:**

15 AWI. Substitutes for scarce materials.
 81 AWI. Granular ammonium nitrate, a high-analysis, low-cost, all-purpose nitrogen fertilizer.

Circulars:

185 C. New fertilizer materials.
 399 C. Machine placement of fertilizers for snap beans in Florida. 5c. For sale only.
 436 C. Production and agricultural use of sodium nitrate.
 487 C. Selecting fertilizers.
 498 C. Effect of potash on grade, shape, and yield of certain varieties of sweetpotatoes grown in South Carolina. 5c. For sale only.
 666 C. Influence of lime and fertilizers on pasture establishment and production at Jeanerette, La., 1932 to 1938.
 679 C. Production and fertilizer use of urea.
 689 C. Fertilizer consumption in 1941 and trends in usage.
 718 C. Double superphosphate.

Farmers' Bulletins:

1801 F. Making lime on the farm.
 1845 F. The liming of soils.

Leaflets:

70 L. Home mixing of fertilizers.
 71 L. Fertilizers for pecan soils. 5c. For sale only.

Miscellaneous Publications:

136 MP. Conservation of fertilizer materials from minor sources.
 400 MP. Sources and available supplies of commercial fertilizers.
 412 MP. Legumes for erosion control and wildlife.

Technical Bulletins:

371 T. The effect of different colloidal soil materials on the efficiency of superphosphate.

452 T. Experiments with nitrogen fertilizers on cotton soils.

669 T. Fertilizer placement of potatoes.

718 T. Fertilizer experiments with rice in California. 10c. For sale only.

769 T. Peat resources in Alaska.

781 T. Arsenic in natural phosphates and phosphate fertilizers.

Yearbook Separates:

1635 Y. Fertilizer materials. (1938.)

REGIONAL

(See also Soil Conservation—General)

NORTHEASTERN REGION

(Connecticut, Delaware, Maine, Maryland, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, Vermont, West Virginia)

Farmers' Bulletins:

1810 F. Soil defense in the Northeast.

1863 F. Wildlife management through soil conservation on farms in the Northeast.

Miscellaneous Publications:

516 MP. Erosion lowers wartime production on northeastern farms.

Unnumbered:

Erosion control in the Northeast.
New landmarks of soil conservation.

NORTHERN GREAT PLAINS REGION

(Kansas, Montana, Nebraska, North Dakota, South Dakota, and Wyoming)

Circulars:

430 C. Emergency wind-erosion control.

Conservation Folders:

1 CF. Save your soil: Contour strip cropping saves both soil and water.

2 CF. Save your soil: Protected waterways in cultivated fields.

Farmers' Bulletins:

1797 F. Implements and methods of tillage to control soil blowing on the northern Great Plains.

PACIFIC REGION

(California, Idaho, Nevada, Oregon, Washington)

Circulars:

482 C. Surface run-off and erosion on granitic mountain soils of Idaho as influenced by range cover, soil disturbance, slope, and precipitation intensity.

660 C. Controlling coastal sand dunes in the Pacific Northwest.

Farmers' Bulletins:

1773 F. Soil and water conservation in the Pacific Northwest. 10c. For sale only.
 1812 F. Native and adapted grasses for conservation of soil and moisture in the Great Plains and Western States.
 1848 F. Soil defense in the Pacific Southwest.
 1921 F. Improving range conditions for wartime livestock production.

Miscellaneous Publications:

514 MP. Food for Freedom by better range-conservation practices in the Pacific Northwest.

Technical Bulletins:

528 T. Conditions influencing erosion on the Boise River watershed.
 639 T. Effect of accelerated erosion on silting in Morena Reservoir, San Diego County, California.
 675 T. Sewage irrigation as practiced in the Western States.
 860 T. Investigations in erosion control at the Palouse Conservation Experiment Station, Pullman, Wash., 1931-42.

Unnumbered:

Erosion losses from a 3-day California storm.
 Help the land, help the war.

SOUTHEASTERN REGION

(Alabama, Florida, Georgia, Kentucky, North Carolina, South Carolina, Tennessee, and Virginia)

Circulars:

347 C. Effect of cover on surface run-off and erosion in the loessial uplands of Mississippi.

Farmers' Bulletins:

1767 F. Soil defense in the Piedmont.
 1790 F. The Nichols terrace: An improved channel-type terrace for the Southeast.
 1840 F. Kudzu for erosion control in the Southeast.

Leaflets:

188 L. Protecting field borders.
 190 L. Mulching to establish vegetables on eroded areas of the Southeast.
 200 L. Shrubs for wildlife on farms in the Southeast.

Miscellaneous Publications:

256 MP. Early erosion-control practices in Virginia.
 407 MP. The story of soil conservation in the South Carolina Piedmont, 1800-1860.
 473 MP. New landmarks of soil conservation: Southern States.
 474 MP. The cotton-and-tobacco South.
 513 MP. Pastures in Puerto Rico and their relation to soil conservation.

Technical Bulletins:

633 T. Principles of gully erosion in the Piedmont of South Carolina.

873 T. Investigations in erosion control and reclamation of eroded land at the Central Piedmont Conservation Experiment Station, Statesville, N. C., 1930-40.

Unnumbered:

Plowing for terrace maintenance in the South.

Terrace construction with small equipment in the South.

SOUTHWEST REGION
(Arizona, Colorado, New Mexico, and Utah)

Circulars:

430 C. Emergency wind-erosion control.

Farmers' Bulletins:

1812 F. Native and adapted grasses for conservation of soil and moisture in the Great Plains and Western States.

Miscellaneous Publications:

186 MP. Reconnaissance erosion survey of the Brazos River watershed, Texas.

301 MP. Erosion and its control in Oklahoma Territory.

410 MP. Range conservation practices for the Great Plains.

474 MP. The cotton-and-tobacco South.

496 MP. Wartime farming on the southern Great Plains. 10c. For sale only.

Technical Bulletins:

567 T. Soil erosion and stream flow on range and forest lands of the upper Rio Grande watershed in relation to land resources and human welfare.

808 T. Climate and accelerated erosion in the arid and semi-arid southwest. Special reference to the Polacca Wash drainage basin, Arizona.

837 T. Investigations in erosion control and reclamation of eroded land at the Red Plains Conservation Experiment Station, Guthrie, Okla., 1930-40.

Unnumbered:

Conservation farming for the hard lands of the southern Great Plains.

Conservation farming for the sandy lands of the southern Great Plains.

Conservation practices for the range lands of the southern Great Plains.

Plowing for terrace maintenance in the South.

Terrace construction with small equipment in the South.

UPPER MISSISSIPPI REGION

(Illinois, Indiana, Iowa, Kentucky, Michigan, Minnesota, Ohio, and Wisconsin)

Circulars:

588 C. Soil losses from cultivated strips in strip-cropped fields in the Ohio Valley region.

Farmers' Bulletins:

1795 F. Conserving Corn Belt soil.
1836 F. Saving soil with sod in the Ohio Valley region.

Technical Bulletins:

558 T. Soil and water conservation investigations at the Soil Conservation Experiment Station, Missouri Valley loess region, Clarinda, Iowa, progress report, 1931-35.

Unnumbered:

Anchoring farmlands in the Ohio Valley region.
From ridge to river.
New landmarks of soil conservation.

Conservation Folders:

3 CF. Save your soil: Wildlife and soil conservation go hand in hand.
4 CF. Save your soil: Range improvement by proper stocking.
5 CF. Save your soil: Strip cropping for control of wind erosion.
6 CF. Save your soil: Save soil moisture with contour tillage.
7 CF. Establishing grass on unproductive cultivated land.
8 CF. Save your soil: Stock water dams in the northern Great Plains.
9 CF. Save your soil: Stock water dugouts an aid to range management.
10 CF. Save your soil: Water spreading and flood irrigation.
11 CF. Save your soil: Developing springs to furnish water for livestock.
12 CF. Tree shelterbelts or windbreaks helpful on the northern Great Plains.
13 CF. Save your soil: Protection and care of farm woods.
14 CF. Save your soil: Tree planting to stabilize gullies and stream banks.

Farmers' Bulletins:

1797 F. Implements and methods of tillage to control soil blowing on the northern Great Plains.
1812 F. Native and adapted grasses for conservation of soil and moisture in the Great Plains and Western States.
1864 F. Toward soil security on the northern Great Plains.

Miscellaneous Publications:

410 MP. Range conservation practices for the Great Plains.
497 MP. Wartime farming on the northern Great Plains. 10c. For sale only.

Unnumbered:

An outline of the water facilities program.
 Land-use adjustment in the Spring Creek area, Campbell County, Wyoming.
 Soil and water conservation in the northern Great Plains.

WESTERN GULF REGION
 (Arkansas, Louisiana, Oklahoma, and Texas)

Circulars:

430 C. Emergency wind-erosion control.

Farmers' Bulletins:

1771 F. Preventing soil blowing on the southern Great Plains.
 1809 F. Soil defense in the South.
 1812 F. Native and adapted grasses for conservation of soil and moisture in the Great Plains and Western States.
 1825 F. Sand-dune reclamation in the southern Great Plains.
 1833 F. Crops against the wind on the southern Great Plains.
 1913 F. Regrassing for soil protection in the Southwest.
 1921 F. Improving range conditions for wartime livestock production.

Leaflets:

114 L. Vine-mesquite for erosion control on southwestern ranges.

Miscellaneous Publications:

196 MP. Floods and accelerated erosion in northern Utah. 5c. For sale only.
 338 MP. Soil defense of range and farm lands in the Southwest.
 517 MP. Farming for greater production of war crops in the intermountain and southwestern country.

Technical Bulletins:

220 T. A study of the influence of herbaceous plant cover on surface run-off and soil erosion in relation to grazing on the Wasatch Plateau in Utah.
 556 T. Soil conservation reconnaissance survey of the southern Great Plains wind-erosion area.
 567 T. Soil erosion and stream flow on range and forest lands of the upper Rio Grande watershed in relation to land resources and human welfare.
 794 T. Erodibility investigations on some soils of the upper Gila watershed.
 859 T. Investigations in erosion control and reclamation of eroded land at the Blackland Conservation Experiment Station, Temple, Tex., 1931-41.

Unnumbered:

An outline of the water facilities program.

PHYSICAL LAND SURVEYS

Local distribution offices of the Soil Conservation Service supply farmers and land owners within the surveyed areas with the reports and maps covering their farms. Other free distribution is restricted to Federal, State, and county officials, librarians, and educators in the surveyed areas. Persons not entitled to free copies may buy them from the Superintendent of Documents, Government Printing Office, Washington 25, D. C., at the prices shown.

Information regarding the availability of reports for specific areas that have not yet been issued may be secured from the nearest field office of the Soil Conservation Service, or from the U. S. Department of Agriculture, Washington 25, D. C.

Reports 1-22 in this series were called Erosion Survey Reports.

The following reports have been issued to date:

Arkansas:

Erosion and related land use conditions in the Illinois Bayou soil conservation district, Arkansas. Erosion Survey No. 18. 35c. For sale only.

California:

Physical land conditions on the San Mateo County Soil Conservation District, California. Physical Land Survey No. 33. 45c. For sale only.

Colorado:

Physical land conditions in the Western and South-eastern Baca County Soil Conservation Districts, Colorado. Physical Land Survey No. 30. 35c. For sale only.

Connecticut:

Erosion and related land use conditions on the Scantic River watershed, Connecticut-Massachusetts. Erosion Survey No. 6. 15c. For sale only.

Georgia:

Erosion and related land use conditions of the Lloyd Shoals Reservoir watershed, Georgia. Erosion Survey No. 10. 35c. For sale only.

Physical land conditions in Greene County, Georgia. Physical Land Survey, No. 23. 10c. For sale only.

Physical land conditions in Polk County, Georgia. Physical Land Survey No. 34. 20c. For sale only.

Physical land conditions in Clarke County, Georgia. Physical Land Survey No. 35. 25c. For sale only.

Indiana:

Physical land conditions on the Leatherwood Creek demonstration project, Lawrence County, Indiana. Physical Land Survey No. 24. 30c. For sale only.

Iowa:

Physical land conditions on the Farmersburg-McGregor project, Clayton County, Iowa. Physical Land Survey No. 28. 10c. For sale only.

Physical land conditions in Tama County, Iowa. Physical Land Survey No. 27. 25c. For sale only.

Reports—Continued.**Kansas:**

Erosion and related land use conditions on the West Tany Creek demonstration project, Kansas. Erosion Survey No. 21. 20c. For sale only.

Maine:

Erosion and related land use conditions on the Presque Isle demonstration project Maine. Erosion Survey No. 19. 20c. For sale only.

Massachusetts:

Erosion and related land use conditions on the Scantic River watershed, Connecticut-Massachusetts. Erosion Survey No. 6. 15c. For sale only.

Minnesota:

Erosion and related land use conditions in Winona County, Minnesota. Erosion Survey No. 17. 20c. For sale only.

Mississippi:

Erosion and related land use conditions on the Hell and Mud Creeks demonstration project, Mississippi. Erosion Survey No. 12. 10c. For sale only.

Missouri:

Physical land conditions in Chariton County, Missouri. Physical Land Survey No. 25. 15c. For sale only.

Montana:

Erosion and related land use conditions on the Froid demonstration project, Montana. Erosion Survey No. 1. 25c. For sale only.

Nebraska:

Erosion and related land use conditions on the Box Elder Creek project, Nebraska. Erosion Survey No. 22. 20c. For sale only.

New York:

Physical land conditions in Schuyler County, N. Y. Physical Land Survey No. 31. 40c. For sale only.

North Carolina:

Erosion and related land use conditions on the Lake Michie watershed, near Durham, North Carolina. Erosion Survey No. 11. 15c. For sale only.

Erosion and related land use conditions on the University Lake watershed, Chapel Hill, North Carolina. Erosion Survey No. 8. 25c. For sale only.

North Dakota:

Erosion and related land use conditions on the Minot area, North Dakota. Erosion Survey No. 3. 65c. For sale only.

Ohio:

Erosion and related land use conditions on the Muskingum River watershed, Ohio. Erosion Survey No. 7. \$1.00. For sale only.

Physical land conditions in Muskingum and Guernsey Counties, Ohio. 35c. For sale only.

Reports—Continued.**Oregon:**

Erosion and related land use conditions on the Chehalem Mountain demonstration project, Oregon. Erosion Survey No. 20. 20c. For sale only.

Pennsylvania:

Erosion and related land use conditions in the Connestoga area, Pennsylvania. Erosion Survey No. 15. 40c. For sale only.

Erosion and related land use conditions on the Crooked Creek project, near Indiana, Pa. Erosion Survey No. 16. 20c. For sale only.

South Carolina:

Erosion and related land use conditions on the Spartanburg Municipal Reservoir watershed, South Carolina. Erosion Survey No. 9. 20c. For sale only.

South Dakota:

Physical land conditions in the Brown-Marshall Soil Conservation District, South Dakota. Physical Land Survey No. 29. 20c. For sale only.

Texas:

Erosion and related land use conditions on the Elm Creek watershed, Texas. Erosion Survey No. 4. 10c. For sale only.

Erosion and related land use conditions on the watershed of White Rock Reservoir near Dallas, Texas. Erosion Survey No. 5. 20c. For sale only.

Erosion and related land use conditions on the Lake Crook watershed, Lamar County, Texas. Erosion Survey No. 14. 20c. For sale only.

Vermont:

Erosion and related land use conditions on the Mad River watershed, Vermont. Erosion Survey No. 13. 25c. For sale only.

WATER

(See also Weather and Climate)

GENERAL**Conservation Folders:**

9 CF. Save your soil: Stock water dugouts an aid to range management.

10 CF. Save your soil: Water spreading and flood irrigation.

11 CF. Save your soil: Developing springs to furnish water for livestock.

Farmers' Bulletins:

1078 F. Harvesting and storing ice on the farm.

1426 F. Farm plumbing.

1448 F. Farmstead water supply.

1460 F. Simple plumbing repairs in the home.

1658 F. Farm water power.

1789 F. Terracing for soil and water conservation.

1790 F. The Nichols terrace: An improved channel-type terrace for the Southeast.

1859 F. Stock-water developments: Wells, springs, and ponds. 10c. For sale only.

1879 F. Ponds for wildlife. 10c. For sale only.

Hydrologic Bulletins:

- 1 HB. Hydrologic data: North Appalachian Experimental Watershed, Coshocton, Ohio, 1939.
- 2 HB. Hydrologic data: Blacklands Experimental Watershed, Waco, Texas, 1937-39.
- 3 HB. Hydrologic data: Central Great Plains Experimental Watershed, Hastings, Nebraska, 1938-40.
- 4 HB. Hydrologic data: North Appalachian Experimental Watershed, Coshocton, Ohio, 1940.
- 5 HB. Hydrologic data: The agriculture, soils, geology, and topography of the Blacklands Experimental Watershed, Waco, Texas.

Leaflets:

- 120 L. Excluding birds from reservoirs and fish ponds. 5c. For sale only.

Miscellaneous Publications:

- 204 MP. Rainfall intensity-frequency data.
- 380 MP. Snow surveying.
- 397 MP. Influences of vegetation and watershed treatments on run-off, silting, and stream flow.
- 491 MP. Stratified flow in reservoirs and its use in prevention of silting.
- 504 MP. Western ground waters and food production.
- 521 MP. The control of reservoir silting.

Technical Bulletins:

- 817 T. Measurement of evaporation from land and water surfaces.
- 819 T. Drought in U. S. analyzed by means of theory of probability.

Unnumbered:

An outline of the water facilities program.

DRAINAGE**Circulars:**

- 599 C. A combination suspended-load sampler and velocity meter for small streams.

Farmers' Bulletins:

- 805 F. The drainage of irrigated farms.
- 1606 F. Farm drainage. 5c. For sale only.
- 1789 F. Terracing for soil and water conservation.
- 1790 F. The Nichols terrace: An improved channel-type terrace for the Southeast.
- 1814 F. Terrace outlets and farm drainageways.

Miscellaneous Publications:

- 204 MP. Rainfall intensity-frequency data.
- 372 MP. A survey and discussion of lysimeters and a bibliography on their construction and performance.

Technical Bulletins:

129 T. Flow of water in drainage channels: The results of experiments to determine the roughness coefficient n in Kutter's formula. 40c. For sale only.

327 T. Cost of pumping for drainage in the Upper Mississippi Valley. 10c. For sale only.

526 T. Flow of water around 180-degree bends. 10c. For sale only.

577 T. Flow of water through 6-inch pipe bends. 15c. For sale only.

639 T. Effect of accelerated erosion on silting in Morena Reservoir, San Diego County, Calif.

695 T. Some principles of accelerated stream and valley sedimentation. 15c. For sale only.

Yearbook Separates:

1649 Y. Drainage in the humid regions. (1938.) 5c.
For sale only.

FLOODS**Miscellaneous Publications:**

196 MP. Floods and accelerated erosion in northern Utah. 5c. For sale only.

253 MP. Conservation farming practices and flood control.

331 MP. The land in flood control. 10c. For sale only.

Yearbook Separates:

1817 Y. Flood hazards and flood control. (1941.)

Unnumbered:

First aid for flooded homes and farms.

Headwaters: Control and use. \$1.00. For sale only.

IRRIGATION**Circulars:**

546 C. Putting down and developing wells for irrigation.

658 C. Irrigation of sugar beets grown for seed.

Department Bulletins:

462 D. Irrigation in Florida. 15c. For sale only.

1340 D. Irrigation requirements of the arable lands of the Great Basin. 10c. For sale only.

Farmers' Bulletins:

805 F. The drainage of irrigated farms.

1348 F. The corrugation method of irrigation. 5c.
For sale only.

1518 F. Orchard irrigation.

1556 F. Irrigation of small grain.

1630 F. Irrigation practices in growing alfalfa.

1683 F. Measuring water in irrigation channels.

1846 F. Supplemental irrigation.

1857 F. Small irrigation pumping plants.

1867 F. Sugar-beet culture under irrigation in the northern Great Plains.

1876 F. Irrigation problems in citrus orchards.

1922 F. Practical irrigation.

Miscellaneous Publications:

204 MP. Rainfall intensity-frequency data.
 312 MP. Bibliography on soil erosion and soil and water conservation.
 521 MP. The control of reservoir silting.

Technical Bulletins:

432 T. Studies of the irrigation of pear orchards on heavy soil near Medford, Oreg. 5c. For sale only.
 526 T. Flow of water around 180-degree bends. 10c. For sale only.
 577 T. Flow of water through 6-inch pipe bends. 15c. For sale only.
 578 T. Spreading water for storage under ground.
 652 T. Flow of water in irrigation and similar canals.
 675 T. Sewage irrigation as practiced in the Western States.
 746 T. Quality of irrigation waters of the Hollister area of California with special reference to boron content and its effect on apricots and prunes.

Unnumbered:

Headwaters: Control and use. \$1.00. For sale only.

WEATHER AND CLIMATE**Circulars:**

398 C. Measuring fire weather and forest inflammability.
 430 C. Emergency wind-erosion control.
 451 C. Influence of climatological factors in the development of cercospora foot rot of winter wheat.

Farmers' Bulletins:

1512 F. Protection of buildings and farm property from lightning.
 1588 F. Frost and the prevention of frost damage.

Miscellaneous Publications:

196 MP. Floods and accelerated erosion in northern Utah. 5c. For sale only.
 204 MP. Rainfall intensity-frequency data.
 253 MP. Conservation farming practices and flood control.
 380 MP. Snow surveying.
 421 MP. Atlas of climatic types in the United States, 1900-1939.
 471 MP. Crop yields and weather.

Technical Bulletins:

409 T. The influence of precipitation and grazing upon black grama grass range.
 510 T. Variations in naval-stores yields associated with weather and specific days between chippings. 5c. For sale only.
 589 T. Sources of moisture for precipitation in the United States.
 636 T. Correlations between annual precipitation and the yield of spring wheat in the Great Plains.

Technical Bulletins—Continued.

698 T. Rainfall characteristics as related to soil erosion.

761 T. Seasonal distribution of rainfall in relation to yield of winter wheat. 5c. For sale only.

808 T. Climate and accelerated erosion in the arid and semi-arid Southwest with special reference to the Polacca Wash Drainage Basin, Arizona.

844 T. Effect of climate on the yield and oil content of flaxseed and on the iodine number of linseed oil.

Yearbooks:

1941 YB. Climate and man. \$1.75. For sale only.

Yearbook Separates:

1786 Y. Climate and man—a summary. (1941.)

1787 Y. Climatic change through the ages. (1941.)

1788 Y. Climate and the world pattern. (1941.)

1789 Y. The how and why of weather knowledge. (1941.)

1790 Y. The settlement of the humid East. (1941.)

1791 Y. Climate and settlement of the subhumid lands. (1941.)

1792 Y. Climate and settlement in the Great Plains. (1941.)

1793 Y. Climate and settlement of the arid region. (1941.)

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1796 Y. Climate and settlement in Puerto Rico and the Hawaiian Islands. (1941.) 5c. For sale only.

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1801 Y. Effects of climatic factors on growing plants. (1941.)

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1804 Y. Climate and sorghum. (1941.) 5c. For sale only.

1805 Y. Climate and cotton. (1941.) 5c. For sale only.

1806 Y. Climate and tobacco. (1941.) 5c. For sale only.

1807 Y. Climate and vegetable crops. (1941.)

1808 Y. Climatic adaptation of fruit and nut crops. (1941.)

1809 Y. Climatic relations of sugarcane and sugar beet. (1941.)

1810 Y. Climate and forage crops. (1941.)

1811 Y. Climate and grazing. (1941.)

1812 Y. Climate and the Nation's forests. (1941.)

1813 Y. Climate and plant diseases. (1941.)

1815 Y. Climate and livestock production. (1941.)

Yearbook Separates—Continued.

1816 Y. Climate in relation to worm parasites in livestock. (1941.)

1819 Y. The scientific basis of modern meteorology. (1941.) 10c. For sale only.

1820 Y. Amateur forecasting from cloud formations. (1941.) 5c. For sale only.

1823 Y. Climate and weather data for the United States. (1941.)

1824 Y. Climates of the United States. (46 Maps.) (1941.) 10c. For sale only.

WILDLIFE**Circulars:**

412 C. Groups of plants valuable for wildlife utilization and erosion control. 5c. For sale only.

460 C. Silver fox pelt prices as affected by time of pelting, sex, and age. 10c. For sale only.

504 C. Early winter food of ruffed grouse on the George Washington National Forest. 10c. For sale only.

636 C. Game and wild-fur production and utilization on agricultural land. 10c. For sale only.

Farmers' Bulletins:

1334 F. Home tanning of leather and small fur skins.

1868 F. Wildlife management through soil conservation on farms in the Northeast.

1879 F. Ponds for wildlife. 10c. For sale only.

Leaflets:

60 L. Porcupine control in the Western States. 5c. For sale only.

120 L. Excluding birds from reservoirs and fish-ponds. 5c. For sale only.

132 L. Den hunting as a means of coyote control. 5c. For sale only.

188 L. Protecting field borders.

200 L. Shrubs for wildlife on farms in the Southeast.

Miscellaneous Publications:

127 MP. Peafowl and their care.

207 MP. Raising reindeer in Alaska. 5c. For sale only.

281 MP. A selected bibliography on management of western ranges, livestock, and wildlife.

291 MP. Teaching conservation of wildlife through 4-H clubs.

303 MP. Native woody plants of the United States: Their erosion control and wildlife values. \$1.75. For sale only.

355 MP. Hart Mountain antelope refuge. 10c. For sale only.

412 MP. Legumes for erosion control and wildlife.

Technical Bulletins:

516 T. Species of *Capillaria* parasitic in the upper digestive tract of birds. 5c. For sale only.

840 T. A simplified method for determining the condition of white-tailed deer herds in relation to available forage. 15c. For sale only.

Yearbook Separates:

1893 Y. Diseases of wildlife and their relationship to domestic livestock.

Unnumbered:

Fur from farm lands.

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- ACAA 2. Conservation is a war weapon.

General Information Series:

- G-32. Agricultural adjustment in 1934. (Administrator's report for the period from February to December, 1934.)
- G-55. Agricultural adjustment: 1933 to 1935. (An important historical publication, AAA Administrator's report describing programs during these years.) 25c. For sale only.
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- G-71. Agricultural conservation: 1936. (Administrator's report on activities of the AAA during the 1936 calendar year. 20c. For sale only.)
- G-78. Charting the course for cotton. (Adapted from an address by Secretary Wallace at Memphis, Tennessee, October 1, 1937.)
- G-85. Questions and answers about farm exports and farm imports. Revised. (A compact summary of export and import tendencies in recent years.)
- G-87. Agricultural programs and the processing tax. (A study of the processing tax with definite application to cotton.)
- G-89. An American income for cotton. (Adapted from an address by Secretary Wallace at Fort Worth, Texas, Sept. 30, 1938.)
- G-90. An American income for wheat. (Adapted from an address by Secretary Wallace at Hutchinson, Kansas, Sept. 29, 1938.)
- G-91. Participation under AAA programs, 1933-35. (A statistical study summarizing records under the early AAA programs.)
- G-92. An American income for corn. (Adapted from an address by Secretary Wallace at Springfield, Illinois, October 14, 1938.)
- G-93. The wheat problem and what the farmer can do about it through the AAA farm program. (A compact statement of the wheat problem and of the solution offered by the AAA program for 1939.)

General Information Series—Continued.

G-94. The farmer's dollar goes to town. (A brief statement of the close relationship between farm and city prosperity.)

G-95. How agriculture, industry, labor, and Government can work together for a \$100,000,000,000 income. (Adapted from an address by Secretary Wallace at Des Moines, Iowa, Feb. 18, 1939.)

G-96. Agricultural adjustment: 1938-39. (Administrator's report on activities of the AAA, July 1, 1938, through June 30, 1939.) 20c. For sale only.

G-97. 'Round the World with cotton. (The story of cotton in the United States and other countries.)

G-98. Western grass. (A leaflet describing briefly the history of the range, provisions of the AAA range program, and the relationship of the range to other sections of the country.)

G-99. Agricultural conservation programs aim at abundance—conservation—parity income. (A folder which tells the aims and provisions of the agricultural conservation program.)

G-100. More abundant wildlife through the AAA program. (A leaflet explaining the provisions of the AAA program which benefit wildlife.)

G-101. The AAA wheat program in operation. (A supplement to G-93.)

G-102. The AAA—What it is. Revised. (A leaflet explaining briefly the purposes of the AAA, how it developed, how it is administered and financed, how it operates, and its accomplishments.)

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G-106. Wheat storage on the farm and in the Ever-Normal Granary. (An explanation of the Ever-Normal Granary program and instructions on proper storage and care of wheat under Commodity Credit Corporation loans.)

G-108. Our National defense starts with defense of the home. (A leaflet explaining how the farm program makes home and community more secure.)

G-109. Our future strength depends on how we use our farm program. (An explanation of how the farm program contributed to the Nation's security and defense.)

G-112. AAA faces the future. (Adapted from an address by R. M. Evans, Administrator, AAA, at the annual National AAA Conference, Washington, D. C., June 10, 1941.)

General Information Series—Continued.

G-113. Report of the Administrator of the Agricultural Adjustment Administration, 1941. 15c. For sale only.

G-114. Strength is in the land. (A brief illustrated explanation between soil conservation practices, good food, and strong people.)

G-116. The Americas—Land of Promise. (An illustrated folder comparing the Western and Eastern Hemispheres and important facts about the people, the countries, the products, and the trades of the Americas.)

Producer-Consumer Leaflets:

PC-1. And so they meet. (Farmers and city people: Both producers—both consumers.)

PC-2. The things we want. (Making abundance work for all our people.)

PC-3. On tired soil. (Poor soil means poor people on the farms and in the cities.)

PC-4. Two families— one farm. Stable tenure means better producers and better consumers.)

PC-5. To buy abundantly. (Producers of abundance deserve to be consumers of abundance.)

PC-6. Plenty. (Avoiding the scarcity of famine and over-abundance.)

PC-7. Between you and me. (The distributor's place in production and consumption.)

PC-8. None shall go hungry. (Making abundance work for low-income families.)

PC-9. Grow your own. Better home living means better production and consumption.)

PC-10. The magic carpet. (Protection for grassland is protection for cities.)

PC-11. The farm home and A.A.A. (Better farm income means better farm homes.)

PC-12. Country life and A.A.A. (A permanent security for farm and city.)

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Southern Region Agricultural Conservation Series:

SRAC-5. Permanent pastures. (A compilation of experimental work with permanent pastures in the Southern region and in North Carolina and Tennessee.)

SRAC-6. Conserving soil through the farm program. (Questions and answers on this phase of the AAA program in the South.)

SRAC-7. Feeding farm folks through the farm's own program. (Questions and answers on how farm program helps growers produce food and feed for home use.)

SRAC-8. Helping farm families help themselves. (Pictorial presentation of how AAA program helps farmers.)

Southern Region Agricultural Conservation Series—Continued.

SRM-428. Cotton, land, and people—A statement of the problem. (Based on an address by I. W. Duggan, Director, Southern Division, AAA, at Philadelphia, Pa., December 28, 1939.)

Unnumbered:

Report of the Administrator of the Agricultural Conservation and Adjustment Administration, 1942. 15c. For sale only.

Report of the Chief of the Agricultural Adjustment Agency, 1942. (Separate 16.)

Posters:

Bigger yields. 20 by 28 inches. Colored.

For the land's sake. 20 by 28 inches. Colored.

Get your farm in the fight. 14 by 20 inches. Colored.

Get your farm in the fight. 20 by 28 inches. Colored.

Harvest legume and grass seed. 20 by 28 inches. Colored.

He eats a ton a year. 20 by 28 inches. Colored.

How green is my pasture. 20 by 28 inches. Colored.

Produce more milk for him. 20 by 28 inches. Colored.

Use phosphate and lime—it pays. 20 by 28 inches. Colored.

Victory patterns. 20 by 28 inches. Colored.

EXTENSION SERVICE
SLIDEFILMS

Slidefilms in series cover a variety of agricultural and home economics subjects and are accompanied by supplementary notes for lecture use. A price list of available slidefilms, which are for sale only, is issued each year. It may be obtained from the Extension Service, United States Department of Agriculture, Washington 25, D. C.

FARM SECURITY ADMINISTRATION

Apply direct to the Division of Information, Farm Security Administration, United States Department of Agriculture, Washington 25, D. C., for the following material. Quantity requests for free material must be accompanied by a letter citing the use to which the material is to be put.

Buying and selling the co-op way. FSA Pub. 92.

Explanation of variable payment plan for repayment of tenant purchase loans. FSA Pub. 25.

Farm purchase loans. FSA Pub. 130 (Rev.).

Farm Security Administration.

Good neighbor. FSA Pub. 17.

Group medical care for farmers. FSA Pub. 75.

A handbook on health for farm families. FSA. Pub. 129.

Helping the farmer adjust his debts.

Managing the small farmers' co-op. FSA Pub. 19.

A report on the work of the Farm Security Administration.

Sharing farm equipment. FSA Pub. 130 (Rev.).

OFFICE OF MARKETING SERVICES

Apply direct to the Office of Marketing Services, War Food Administration, Washington 25, D. C., for the following:

Publications are free in limited amounts unless priced. Do not send remittances to the U. S. Department of Agriculture. See page 3.

Posters:

U. S. grades for cannery tomatoes, showing type of three grades. Colored. 8 by 10½ inches.

The Office of Marketing Services is now responsible for the administration of the laws under which these Service and Regulatory Announcements were issued. Nos. 84-154 were originally issued by the Bureau of Agricultural Economics, Nos. 155-162 by the Agricultural Marketing Service, N. S. No. 1 by the Food and Drug Administration, and SRA No. 164 as BAI Order No. 364 by the Bureau of Animal Industry.

Office of Distribution—Service and Regulatory Announcements:

84 SRA-AMA. Regulations of the Secretary of Agriculture under the United States Warehouse Act of August 11, 1916. Regulations for broomcorn warehouses.

88 SRA-AMA. Regulations for warehousemen storing dried fruit.

89 SRA-AMA. Regulations of the Secretary of Agriculture under the United States Warehouse Act of August 11, 1916. Regulations for warehousemen storing sirups.

92 SRA-AMA. Standards for cotton classification in the United States and abroad.

93 SRA-AMA. Rules and regulations of the Secretary of Agriculture governing the inspection and certification of fruits, vegetables, and other products. Revised 1936.

94 SRA-AMA. Official standards of the United States for American cotton linters.

98 SRA-AMA. Rules and regulations of the Secretary of Agriculture governing the investigation and certification of class, quality (grade), and condition of meats and meat-food products. Revised.

99 SRA-AMA. Official United States standards for grades of carcass beef.

102 SRA-AMA. Regulations of the Secretary of Agriculture under the United States Warehouse Act of August 11, 1916. Regulations for warehousemen storing cottonseed for commercial but not for seed-stock purposes.

104 SRA-AMA. Rules and regulations of the Secretary of Agriculture under the United States Standard Container Act of August 31, 1916. Revised.

107 SRA-AMA. Rules and regulations of the Secretary of Agriculture for the enforcement of the Produce Agency Act.

109 SRA-AMA. Items relating to the administration of the United States Cotton Futures and Cotton Standards Acts.

112 SRA-AMA. Official United States standards for grades of slaughter cattle.

Service and Regulatory Announcements—Continued.

113 SRA-AMA. Official United States standards for grades of vealers and slaughter calves.

114 SRA-AMA. Official United States standards for grades of veal and calf carcasses.

116 SRA-AMA. Rules and regulations of the Secretary of Agriculture under the United States Standard Container Act of 1928.

117 SRA-AMA. Proceedings of International Universal Cotton Standards Conference of 1929 and items relative to administration of the United States Cotton Futures and Cotton Standards Acts.

118 SRA-AMA. Classification of leaf tobacco covering classes, types, and groups of grades.

119 SRA-AMA. Regulations of the Secretary of Agriculture under the United States Warehouse Act as amended. Regulations for warehousemen storing nuts.

121 SRA-FDA. Regulations (other than rules of practice) of the War Food Administration for the enforcement of the Perishable Agricultural Commodities Act, 1930, as amended Apr. 13, 1934, June 19, 1936, and Aug. 20, 1937.

122 SRA-AMA. Regulations of the Secretary of Agriculture under the United States Warehouse Act as amended. Regulations for warehousemen storing seeds.

123 SRA-AMA. Official United States standards for grades of lamb carcasses, yearling mutton, and mutton carcasses.

126 SRA-AMA. Regulations for cotton warehouses. Revised.

127 SRA-AMA. Regulations for warehousemen storing grain. Revised.

129 SRA-AMA. Regulations for warehousemen storing tobacco. Revised.

130 SRA-AMA. Regulations for warehousemen storing dry beans.

131-SRA-AMA. Rules and regulations of the Secretary of Agriculture governing the inspection and certification of dressed poultry and dressed domestic rabbits for external conditions and of dressed poultry and dressed domestic rabbits and edible products thereof for condition and wholesomeness.

134 SRA-AMA. Regulations for warehousemen storing cherries in sulphur dioxide brine.

135 SRA-AMA. Official standards of the United States for grades of wool and wool top and rules and regulations for distribution of practical forms of wool and wool top standards under Wool Standards Act of May 17, 1928.

Service and Regulatory Announcements—Continued.

136 SRA-AMA. Regulations supplementary to the commodity regulations under the United States Warehouse Act for field warehousemen.

137 SRA-AMA. Rules and regulations of the Secretary of Agriculture governing the grading and certification of butter, cheese, eggs, dressed poultry, and dressed domestic rabbits for class, quality (grade), and condition.

138 SRA-AMA. United States standards for grades of canned corn—whole—grain style.

139 SRA-AMA. United States standards for grades of canned corn—cream style.

140 SRA-AMA. United States standards for canned peas.

141 SRA-AMA. United States standards for canned tomatoes.

142 SRA-AMA. United States standards for canned snap beans.

143 SRA-OD. Grades, requirements, and regulations of the Secretary of Agriculture carrying out the provisions of the Export Apple and Pear Act. Revised.

145 SRA-AMA. United States standards for grades of canned grapefruit.

146 SRA-AMA. Items relating to the administration of the United States Cotton Standards and Cotton Futures Act.

147 SRA-AMA. Air oven and water oven methods specified in the United States official standards for determining the moisture content of grain.

148 SRA-AMA. Regulations under the Grain Standards Act.

149 SRA-AMA. Rules and regulations under the Tobacco Inspection Act.

150 SRA-AMA. Revision of standards for grades of American upland cotton.

151 SRA-AMA. United States standards for potatoes.

152 SRA-AMA. Regulations of the Secretary of Agriculture under the United States Cotton Futures Act.

153 SRA-AMA. Regulations of the Secretary of Agriculture under the United States Cotton Standards Act.

154 SRA-AMA. United States standards for apples.

155 SRA-AMA. Rules and regulations of the Secretary of Agriculture governing the grading and certification of canned fruits and vegetables.

156 SRA-AMA. Rules and regulations under the Federal Seed Act.

157 SRA-AMA. Regulations for warehousemen storing sirups.

158 SRA-AMA. Regulations for warehousemen storing broomcorn.

159 SRA-AMA. Regulations for warehousemen storing coldpack fruit.

160 SRA-AMA. Regulations for warehousemen storing wool.

161 SRA-AMA. Regulations for warehousemen storing canned foods.

162 SRA-AMA. Regulations for the enforcement of the Insecticide Act of 1910.

163 SRA-AMA. Developments in cotton standardization and related services.

164 SRA-FDA. Packers and Stockyards Act of 1921 as amended, 1926 and 1935.

N. S. No. 1. Regulations for the enforcement of the Naval Stores Act.

Marketing Information Series:

GCM-3. Marketing agreements for fruits and vegetables. (A statement of the purpose and methods of marketing agreements for fruits and vegetables.)

GCM-6. Major economic trends in the dry edible bean industry. (A charted study of various economic phases of bean production and marketing.)

DM-1. A survey of milk marketing in Milwaukee. (A comprehensive study of supply, consumption, market distribution, and net earnings.)

DM-3. Stability in milk markets. (An illustrated pamphlet explaining marketing agreements and orders for milk.)

DM-4. The regulation of milk marketing in England and Wales. (A study of a milk marketing system comparable to our Federal and State programs.)

PSM-2. Chick hatchery survey, 1937-38.

Unnumbered:

Directory of the Meat Inspection Division, 1943.

SOIL CONSERVATION SERVICE

Photographic Material:

The Soil Conservation Service has a collection of many thousands of pictures showing types of soil erosion, soil conservation practices, water conservation, flood control, land utilization, and wildlife conservation. Prints of these photographs, as well as enlargements, can be purchased. A price list of photographic material can be secured from the Soil Conservation Service, United States Department of Agriculture, Washington 25, D. C.

AGRICULTURAL RESEARCH ADMINISTRATION**BUREAU OF DAIRY INDUSTRY**

Apply direct to the Bureau of Dairy Industry, Agricultural Research Administration, U. S. Department of Agriculture, Washington 25, D. C., for the following:

Bureau of Dairy Industry—Service and Regulatory Announcements:

Order 1. Regulations for carrying into effect the Process or Renovated Butter Act. Revised.

BUREAU OF ENTOMOLOGY AND PLANT QUARANTINE

Apply direct to the Bureau of Entomology and Plant Quarantine, Agricultural Research Administration, U. S. Department of Agriculture, Washington 25, D. C., for the following:

QUARANTINES**Quarantines Applying to the Continental United States:**

- 38. Black stem rust.
- 45. Gypsy moth and brown-tail moth.
- 48. Japanese beetle.
- 52. Pink bollworm.
- 61. Thurberia weevil.
- 63. White pine blister rust.
- 64. Mexican fruit fly.
- 71. Dutch elm disease (domestic).
- 72. White-fringed beetle.

Quarantines Applying to the Territories of Hawaii and Puerto Rico:

- 13. Hawaiian fruits and vegetables.
- 16. Sugarcane.
- 30. Sweetpotato.
- 32. Banana plants.
- 47. Hawaiian and Puerto Rican cotton, cottonseed, and cottonseed products.
- 51. United States quarantine to protect Hawaii.
- 58. Puerto Rican fruits and vegetables.
- 60. Sand, soil, or earth, with plants from Hawaii and Puerto Rico.

Foreign Plant Quarantines:

- 8. Pink bollworm.
- 12. Seeds of avocado or alligator pear.
- 15. Sugarcane.
- 19. Citrus nursery stock.
- 24. Indian corn or maize and related plants.
- 28. Citrus fruits.
- 29. Sweetpotato and yam.
- 31. Banana plants.
- 34. Bamboo.
- 37. Nursery stock, plants, and seeds.
- 41. European corn borer.
- 55. Rice.
- 56. Fruits and vegetables.
- 59. Flag smut.
- 69. Packing materials.
- 70. Dutch elm disease (foreign).
- 73. Coffee.

REGULATIONS

Inspection and certification regulations to meet foreign sanitary requirements.

The Mexican Border Regulations—Providing for inspecting, cleaning, and, when necessary, disinfecting railway cars,

Regulations—Continued.

other vehicles, and other materials entering the United States from Mexico.

Regulations governing the importation of potatoes into the United States.

Revised rules and regulations governing the movement of plants and plant products into and out of the District of Columbia.

Revised plant safeguard regulations.

Rules and regulations governing the importation of cotton and cotton wrappings into the United States.

Rules and regulations governing the importation of cotton-seed cake, meal, and other cottonseed products into the United States.

**BUREAU OF PLANT INDUSTRY, SOILS, AND
AGRICULTURAL ENGINEERING**

SOIL SURVEYS

The majority of the edition of each soil survey is distributed by the United States Senators and Representatives from the areas surveyed. However, a limited number is available for distribution by the Bureau of Plant Industry, Soils, and Agricultural Engineering, Agricultural Research Administration, United States Department of Agriculture, Washington 25, D. C. Since the editions are inadequate to meet the demand, only three reports, each of which must cover a separate area, may be sent free to one individual. If more than three reports are desired, they must be purchased direct from the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

Many counties not listed have been surveyed, but both the free and sales stocks of those reports are entirely exhausted. They may be consulted in any of the public libraries that keep a file of all soil surveys.

Note for Libraries.—Beginning with the 1923 series, separate soil survey reports have been issued for each area. They are sent to libraries as soon as they are available, and they should be filed, preserved, and ultimately bound as a continuation of the bound volumes of the field operations which were previously supplied by the Department, and which were discontinued with the 1922 edition. The reports for each year are now consecutively numbered, the last report for a particular year bearing the conspicuous notice, "This number is the final and last soil survey for the year 19....."

Alabama:

Colbert County. 35c. For sale only.

Coosa County. 20c. For sale only.

Crenshaw County. 20c. For sale only.

Dallas County. 40c. For sale only.

Franklin County.

Hale County. 40c. For sale only.

Lauderdale County. 40c. For sale only.

Lowndes County.

Mobile County.

Montgomery County. 25c. For sale only.

Perry County.

Sumter County. 60c. For sale only.

Wilcox County. 40c. For sale only.

Winston County.

Alaska:

Reconnaissance

Soils, agriculture, and other resources of the Kenai Peninsula region of Alaska. 25c. For sale only.

Arizona:

Buckeye-Beardsley Area. (Part of Maricopa County.)

Casa Grande Area. (Part of Pinal County.) 50c. For sale only.

Gila Bend Area. (Part of Maricopa County.) 15c. For sale only.

Graham County. (See Upper Gila Valley Areas.)

Maricopa County. (See Buckeye-Beardsley and Gila Bend Areas.)

Mohave County. (See Virgin River Valley Area.)

Nogales Area. (Part of Santa Cruz County.) 20c. For sale only.

Pima County. (See Tucson Area.)

Pinal County. (See Casa Grande Area.)

Santa Cruz County. (See Nogales Area.)

Tucson Area. (Part of Pima County). 45c. For sale only.

Upper Gila Valley Area. (Part of Graham County). 30c. For sale only.

Virgin River Valley Area, Arizona-Utah. (Parts of Mohave County, Arizona, and Washington County, Utah.) 35c. For sale only.

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Yuma Desert Area. (Part of Yuma County.)

Arkansas:

Craighead County.

California:

Alturas Area. (Parts of Lassen and Modoc Counties.) 50c. For sale only.

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Brawley Area. (Part of Imperial County.) 25c. For sale only.

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Clear Lake Area. (Part of Lake County.) 15c. For sale only.

Coachella Valley Area. (Part of Riverside County.) 20c. For sale only.

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Grass Valley Area. (Part of Nevada County.) 25c. For sale only.

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Imperial County (See El Centro Area.)

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California—Continued.

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 Monterey County. (See Salinas Area.)
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 San Bernardino County. (See Barstow Area.)
 San Diego County. (See Capistrano, El Cajon, and
 Oceanside Areas.)
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 Delta, and Tracy Areas.)
 San Luis Obispo Area. (Parts of San Luis Obispo and
 Santa Barbara County.) 35c. For sale only.
 San Luis Obispo County. (See San Luis Obispo and
 Santa Maria Areas.)
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 of Monterey and San Benito Counties.)
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 ties.)
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 Wasco Area. (Part of Kern County.) 55c. For sale
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 Yolo County. (See Dixon Area.)

Colorado:

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 Boulder County. (See Brighton and Longmont Areas.)
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 son Counties.) 20c. For sale only.
 Jefferson County. (See Brighton Area.)

Colorado—Continued.

Longmont Area. (Parts of Boulder and Weld Counties.)
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Reconnaissance

Tattnall County. (No map.)

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Jerome County. (See Jerome Area.)
Twin Falls Area. (Part of Twin Falls County.)
Twin Falls County. (See Twin Falls Area.)

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Worth County. 20c. For sale only.

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Clay County. 15c. For sale only.
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Livingston Parish.
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Cumberland County.

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Minnesota—Continued.

Reconnaissance

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 Custer County. (See Middle Yellowstone Valley Area.)
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 Gallatin County. (See Gallatin Valley Area.)
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 Hill County. (See Milk River Area.)
 Lake County. (See Lower Flathead Valley Area.)
 Lower Flathead Valley Area. (Parts of Lake, Missoula, and Sanders Counties.) 35c. For sale only.
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 Meagher County. (See Upper Musselshell Valley Area.)
 Middle Yellowstone Valley Area. (Parts of Custer, Rosebud, and Treasure Counties.) 35c. For sale only.
 Milk River Area. (Parts of Blaine, Hill, Phillips, and Valley Counties.) 60c. For sale only.
 Missoula County. (See Lower Flathead Valley Area.)
 Phillips County. (See Milk River Area.)
 Praire County. (See Lower Yellowstone Valley Area.)
 Richland County. (See Lower Yellowstone Valley Area.)
 Rosebud County. (See Middle Yellowstone Valley Area.)
 Sanders County. (See Lower Flathead Valley Area.)
 Treasure County. (See Middle Yellowstone Valley Area.)
 Upper Musselshell Valley Area. (Parts of Meagher and Wheatland Counties.) 20c. For sale only.
 Valley County. (See Milk River Area.)
 Wheatland County. (See Upper Musselshell Valley Area.)

Reconnaissance

Northern Plains of Montana. (Blaine, Chouteau, Daniels, Hill, Liberty, Phillips, Roosevelt, Sheridan, Toole, and Valley Counties and parts of Glacier, Pondera, and Teton Counties.) 30c. For sale only.

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Cass County. 45c. For sale only.
Deuel County.
Dixon County.
Dundy County. 25c. For sale only.
Frontier County. 40c. For sale only.
Furnas County. 25c. For sale only.
Garden County.
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Stanton County. 20c. For sale only.
Valley County.
Webster County.
Wheeler County. 30c. For sale only.

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Coos County. 85c. For sale only.
Grafton County.

New Jersey:

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Bergen Area. (All of Bergen and Hudson Counties, and parts of Essex, Middlesex, Morris, Passaic, and Union Counties.)
Bergen County. (*See Bergen Area.*)
Burlington County. (*See Camden Area.*)
Camden County. (*See Camden Area.*)
Camden Area. (Parts of Atlantic, Burlington, Camden, Cumberland, Gloucester, and Salem Counties.)
Cumberland County. (*See Camden and Salem Areas.*)
Essex County. (*See Bergen Area.*)
Freehold Area. (Parts of Middlesex and Monmouth Counties.) 20c. For sale only.
Gloucester County. (*See Camden Area.*)
Hudson County. (*See Bergen Area.*)
Middlesex County. (*See Bergen and Freehold Areas.*)
Monmouth County. (*See Freehold Area.*)
Morris County. (*See Bergen Area.*)
Passaic County. (*See Bergen Area.*)
Salem County. (*See Camden Area.*)
Union County. (*See Bergen Area.*)

New Mexico:

Chaves County. (*See Roswell Area.*)
De Baca County. (*See Fort Sumner Area.*)
Deming Area. (Part of Luna County.) 10c. For sale only.

New Mexico—Continued.

Fort Sumner Area. (Part of De Baca County.) 15c.
 For sale only.
 Lea County. (*See* Lovington Area.)
 Lovington Area. (Part of Lea County.) 50c. For sale only.
 Luna County. (*See* Deming Area.)
 Roswell Area. (Part of Chaves County.)

New York:

Albany and Schenectady Counties. 45c. For sale only.
 Broome County. 30c. For sale only.
 Cattaraugus County. 40c. For sale only.
 Chemung County. 30c. For sale only.
 Delaware County. 40c. For sale only.
 Erie County. 30c. For sale only.
 Monroe County. \$2.00. For sale only.
 Nassau County. (*See* Suffolk and Nassau Counties.)
 Onondaga County. 45c. For sale only.
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 Otsego County. 50c. For sale only.
 Rensselaer County. 50c. For sale only.
 St. Lawrence County. 50c. For sale only.
 Seneca County. 50c. For sale only.
 Steuben County. 60c. For sale only.
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 Ulster County. 50c. For sale only.
 Wyoming County. 40c. For sale only.

North Carolina:

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 Brunswick County. 35c. For sale only.
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 Clay County. 40c. For sale only.
 Craven County. 50c. For sale only.
 Cumberland County. 25c. For sale only.
 Franklin County. 30c. For sale only.
 Haywood County. 20c. For sale only.
 Henderson County. 35c. For sale only.
 Hertford County.
 Jones County. 35c. For sale only.
 Lee County. 30c. For sale only.
 Lenoir County. 15c. For sale only.
 Macon County. 20c. For sale only.
 Madison County. 50c. For sale only.
 Montgomery County. 20c. For sale only.
 Onslow County.
 Pamlico County. 30c. For sale only.
 Pasquotank County. (*See* Perquimans and Pasquotank Counties.)
 Perquimans and Pasquotank Counties.
 Rockingham County. 20c. For sale only.
 Stokes County. 25c. For sale only.
 Surry County. 20c. For sale only.
 Warren County. 35c. For sale only.

North Dakota:

Billings County. \$1.25. For sale only.
 McKenzie County. (*See* also Lower Yellowstone Valley Area, Montana.)
 Traill County. 15c. For sale only.

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Putnam County. 30c. For sale only.
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Vinton County. 45c. For sale only.

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Carter County. 35c. For sale only.
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Craig County. 35c. For sale only.
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Indiana County. 35c. For sale only.
Wayne County. 35c. For sale only.
Wyoming County. 30c. For sale only.

Puerto Rico:

\$3.25. For sale only.

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Kent and Washington Counties. 40c. For sale only.
Newport and Bristol. 40c. For sale only.
Providence County. 35c. For sale only.
Washington County. (See Kent and Washington Counties.)

South Carolina:

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Dillon County. 35c. For sale only.
Edgefield County. 35c. For sale only.

South Carolina—Continued.

Greenwood County. 30c. For sale only.
 Kershaw County.
 Pickens County. 35c. For sale only.
 Sumter County. 45c. For sale only.
 Williamsburg County. 15c. For sale only.

South Dakota:

Moody County. 15c. For sale only.
 Union County. 20c. For sale only.
 Walworth County. 20c. For sale only.

Tennessee:

Dickson County. 20c. For sale only.
 Hardin County. 15c. For sale only.
 Jefferson County. 50c. For sale only.
 Roane County. 45c. For sale only.

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 Cameron County. \$1.25. For sale only.
 Camp County. 35c. For sale only.
 Cass County. 10c. For sale only.
 Collin County. 20c. For sale only.
 Dickens County. 20c. For sale only.
 Dimmit County. 50c. For sale only.
 Falls County. 30c. For sale only.
 Frio County. 30c. For sale only.
 Galveston County. 35c. For sale only.
 Hardeman County. 35c. For sale only.
 Harris County. 35c. For sale only.
 Hidalgo County. \$1.00. For sale only.
 Hunt County. 35c. For sale only.
 Kaufman County. 50c. For sale only.
 Maverick County. 55c. For sale only.
 Midland County. 20c. For sale only.
 Navarro County.
 Polk County.
 Potter County.
 Randall County.
 Red River County.
 Reeves County.
 Scurry County.
 Van Zandt County. 30c. For sale only.
 Wheeler County.
 Willacy County. 20c. For sale only.
 Williamson County. 45c. For sale only.
 Zavala County. 50c. For sale only.

Reconnaissance

Northwest Texas (Bailey, Cochran, Cottle, Crosby, Dickens, Floyd, Foard, Garza, Hale, Hardeman, Haskell, Hockley, Kent, King, Knox, Lamb, Lubbock, Lynn, Motley, Stonewall, Terry and Yoakum Counties).
 West Central Texas (Andrews, Borden, Coke, Concho, Crane, Dawson, Ector, Fisher, Gaines, Glasscock, Howard, Irion, Jones, Loving, Martin, Midland, Mitchell, Nolan, Reagan, Runnels, Scurry, Sterling, Taylor Tom Green, Upton, Ward, and Winkler Counties).

Utah:

Carbon County. (See Price Area.)
Emery County. (See Price Area.)
Price Area. (Parts of Carbon and Emery Counties.)
35c. For sale only.
Uintah County. (See Uintah River Valley Areas.)
Uintah River Valley Area. (Part of Uintah County.)
25c. For sale only.
Virgin River Valley Area. 35c. For sale only.
Washington County. (See Virgin River Area.)

Vermont:

Windsor County.

Reconnaissance

Entire State. 55c. For sale only.

Virginia:

Albemarle County. 40c. For sale only.
Augusta County. 40c. For sale only.
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Halifax County. 40c. For sale only.
Isle of Wight County. 35c. For sale only.
Nansemond County. 30c. For sale only.
Rockbridge County. 35c. For sale only.
Southampton County. 15c. For sale only.

Washington:

Kitsap County. 35c. For sale only.
Spokane County.

Reconnaissance

Columbia Basin Area (Franklin County and parts of
Adams, Grant, Lincoln, and Walla Walla Counties.)

West Virginia:

Braxton and Clay Counties. 25c. For sale only.
Clay County. (See Braxton and Clay Counties.)
Fayette County. 20c. For sale only.
Grant and Mineral Counties. 25c. For sale only.
Greenbrier County. 50c. For sale only.
Hampshire County. 20c. For sale only.
Hardy and Pendleton Counties. 50c. For sale only.
Mercer County. 20c. For sale only.
Mineral County. (See Grant and Mineral Counties.)
Monroe County. 20c. For sale only.
Pendleton County. (See Hardy and Pendleton Counties.)
Pocahontas County. 55c. For sale only.
Randolph County. 40c. For sale only.
Tucker County. 15c. For sale only.

Wisconsin:

Adams County. 25c. For sale only.
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Calumet County.
Crawford County. 35c. For sale only.
Door County.
Green County. 20c. For sale only.
Green Lake County. 20c. For sale only.
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Kenosha and Racine Counties. 25c. For sale only.
Manitowoc County. 15c. For sale only.
Monroe County. 25c. For sale only.

Wisconsin—Continued.

Outagamie County. 35c. For sale only.
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 Portage County. 15c. For sale only.
 Rock County.
 Sauk County. 25c. For sale only.
 Sheboygan County. 20c. For sale only.
 Trempealeau County. 25c. For sale only.
 Vernon County. (See also Viroqua Area.) 20c. For sale only.
 Walworth County. 15c. For sale only.
 Washington and Ozaukee Counties. 25c. For sale only.
 Waupaca County. 15c. For sale only.
 Waushara County.
 Winnebago County. 20c. For sale only.

Reconnaissance

Marinette County. 15c. For sale only.
 South Part North-Central Wisconsin. (Clark, Lincoln, Marathon, and Taylor Counties.) 15c. For sale only.

Wyoming:

Basin Area. (Parts of Big Horn, Park, and Washakie Counties.) 60c. For sale only.
 Big Horn County. (See Basin and Shoshone Areas.)
 Johnson County. 60c. For sale only.
 Park County. (See Basin and Shoshone Areas.)
 Plate County. (See Wheatland Area.)
 Sheridan County. 70c. For sale only.
 Shoshone Area. (Parts of Big Horn and Park Counties.) 35c. For sale only.
 Uinta County. \$1.00. For sale only.
 Washakie County. (See Basin Area.)
 Wheatland Area. (Part of Platte County.) 20c. For sale only.

STAFF AGENCIES**BUREAU OF AGRICULTURAL ECONOMICS**

Apply direct to the Bureau of Agricultural Economics, U. S. Department of Agriculture, Washington 25, D. C., for the following:

Maps:

Regionalized types of farming. 30 by 40 inches and 9½ by 14½ inches. Colored.

Photographic Material: (For sale only.)

Photographic prints, 8×10 inches, at 30c each are furnished on order of any maps and charts issued by the Bureau of Agricultural Economics in current publications. Enlargements 30×40 inches, for use as wall charts, are made to order at \$1.00 each on paper and \$1.50 each mounted on cloth. List available free.

FARM CREDIT ADMINISTRATION

A limited number of copies of the following publications, except those for sale only as indicated are available from the Farm Credit Administration, U. S. Department of Agriculture, 212 West 14th St., Kansas City, Mo.

Publications are free in limited amounts unless priced. Do not send remittances to the U. S. Department of Agriculture. See page 3.

Farm Credit Administration Bulletins:

- 1 FCAB. Cooperative purchasing of farm supplies.
- 2 FCAB. Accounting principles for cooperative cotton gin associations.
- 3 FCAB. Cooperative marketing of agricultural products.
- 5 FCAB. Organization and operation of the Illinois Livestock Marketing Association.
- 6 FCAB. Statistics of farmers' Cooperative business organizations, 1920-1935.
- 7 FCAB. Cooperative marketing of range livestock.
- 8 FCAB. Mutual irrigation companies in California and Utah. 25c. For sale only.
- 9 FCAB. Membership relations of cooperative associations.
- 11 FCAB. Organization and operating problems of Nebraska cooperative creameries.
- 12 FCAB. Analysis of the business operations of cooperative cotton gins in Oklahoma, 1933-34.
- 13 FCAB. Transportation of milk in the Philadelphia milkshed.
- 14 FCAB. Cooperative organization of Iowa farmers' creameries.
- 15 FCAB. Contract feeding of lambs and cattle.
- 16 FCAB. Milk cooperatives in four Ohio markets.
- 17 FCAB. Commercial trucking of fruits and vegetables in nine Atlantic Coast States.
- 18 FCAB. Use of motor trucks in marketing fruits and vegetables.
- 19 FCAB. Business analysis of the Utah Poultry Producers' Cooperative Association.
- 20 FCAB. Cooperative purchasing of farm supplies in Wisconsin.
- 21 FCAB. Farmers' mutual windstorm insurance.
- 22 FCAB. Cooperative purchasing of farm supplies in Mississippi.
- 23 FCAB. Problems and trends in farmers' mutual fire insurance.
- 24 FCAB. The surplus problem in the northeastern milksheds.
- 25 FCAB. Relative prices to producers under selected types of milk pools.
- 26 FCAB. A statistical handbook of farmers' cooperatives.
- 27 FCAB. Cooperative purchasing through the Illinois Farm Supply Company and its member county companies.
- 28 FCAB. Accounting procedure for cooperative grain elevators.
- 29 FCAB. Terminal fruit auctions as marketing agencies for farmers' cooperatives.
- 30 FCAB. Operations of cooperative grain elevators in Kansas and Oklahoma.
- 32 FCAB. Cooperative milk marketing in Louisville and other nearby cities.
- 33 FCAB. Cooperative marketing of fleece wool.
- 34 FCAB. Cooperative marketing of livestock at Cincinnati.

Farm Credit Administration Bulletins—Continued.

35 FCAB. Livestock auction markets in the United States.

36 FCAB. Butter marketing by cooperative creameries in the Middle West.

37 FCAB. Cooperative egg and poultry auction associations.

38 FCAB. Cooperative purchasing by Indiana farmers.

39 FCAB. Cooperative creamery accounting.

40 FCAB. Cooperative grain marketing by local warehouses and elevators in the Pacific Northwest.

41 FCAB. Expenses, incomes, and dividends of Oklahoma and Texas cooperative cotton gins.

42 FCAB. Marketing potatoes through the Ohio Farm Bureau Cooperative Association.

43 FCAB. Cooperative grain elevators in North Dakota and eastern Montana.

44 FCAB. Business stability of Iowa farmers' elevators.

45 FCAB. Reinsurance among farmers' mutual fire insurance companies.

46 FCAB. Classification and rating of farm fire risks.

47 FCAB. The cooperative canning of fruits and vegetables.

48 FCAB. Sales and distribution policies of cooperative canneries in the United States.

49 FCAB. The cooperative canning of fruits and vegetables.

50 FCAB. Legal phases of cooperative associations.

51 FCAB. Marketing Maine potatoes in Maine and in Boston.

52 FCAB. Retail outlets for fruit in New York City.

53 FCAB. Application of the Federal income tax statutes to farmers' cooperatives.

Farm Credit Administration Credit Research Bulletins:

1 FCACR. Agricultural credit in Germany.

2 FCACR. Agricultural credit in Denmark.

3 FCACR. Agricultural credit in Canada.

4 FCACR. Agricultural credit in Mexico.

Farm Credit Administration Circulars "A":

A-16 FCA. Producer co-ops in action.

A-17 FCA. A list of publications of the Farm Credit Administration, Washington, D. C.

A-19 FCA. The co-op and its second generation members.

A-20 FCA. Agricultural cooperation and national legislation.

A-23 FCA. Publications on agricultural cooperation.

Farm Credit Administration Circulars "C":

C-FCA. Loans to finance the farm business.

C-101 FCA. Early developments in cooperative cotton marketing.

C-103 FCA. Western cattle and sheep areas.

C-104 FCA. Economic analysis of bargaining problems of milk co-ops.

C-105 FCA. Cooperative fluid-milk associations in Iowa.

C-106 FCA. Patronage problems of Mid-West Producers Creameries, Inc.

Farm Credit Administration Circulars "C"—Continued.

C-107 FCA. Refrigerated food lockers.
 C-108 FCA. Organizing a farmers' cooperative.
 C-109 FCA. Principles and procedure for organizing cooperative gins.
 C-110 FCA. Marketing fruits and vegetables cooperatively.
 C-111 FCA. Co-ops in agriculture.
 C-112 FCA. Development of cooperative cotton gins.
 C-113 FCA. Farmers' retail petroleum associations.
 C-114 FCA. Crushing cottonseed cooperatively.
 C-115 FCA. Organization structure of farmers' elevators.
 C-116 FCA. Cooperative marketing of dairy products.
 C-117 FCA. South Brazil—new land of cotton.
 C-118 FCA. Operation of country fruit and vegetable auctions.
 C-119 FCA. Operating methods of Challenge Cream and Butter Association.
 C-121 FCA. The citrus industry and the California Fruit Growers Exchange System.
 C-122 FCA. Cooperative grain marketing in the United States.
 C-123 FCA. Personnel management in farmers' cooperatives.
 C-124 FCA. Distribution of milk by farmers' cooperative associations.
 C-125 FCA. Distribution of machinery by farmers' cooperative associations.
 C-128 FCA. Purchasing farm supplies through Southern States Cooperative, Inc.

Farm Credit Administration Circulars "E":

E-2 FCA. Cooperative business association loans.
 E-4 FCA. The profitable use of farm credit.
 E-5 FCA. You and your co-op.
 E-6 FCA. Using your co-op creamery.
 E-7 FCA. Using your livestock co-op.
 E-8 FCA. Using your co-op elevator.
 E-9 FCA. Using your co-op gin.
 E-10 FCA. Using your wool co-op.
 E-11 FCA. Using your purchasing association.
 E-12 FCA. Using your fruit and vegetable co-op.
 E-13 FCA. Using your poultry and egg co-op.
 E-14 FCA. Using your fluid milk co-op.
 E-15 FCA. Insuring through your farmers' mutual.
 E-17 FCA. Using your production credit association.
 E-18 FCA. Sizing up your cooperative.
 E-19 FCA. Forming farmers' cooperatives.
 E-20 FCA. Financing farmers' cooperatives.
 E-21 FCA. Managing farmers' cooperatives.
 E-22 FCA. Merchandising by farmers' cooperatives.
 E-23 FCA. The story of farmers' cooperatives.
 E-24 FCA. Three principles of agricultural cooperation.
 E-25 FCA. Using a local cooperative as source material for teaching.
 E-26 FCA. Farmers need special credit facilities.
 E-27 FCA. A financial plan for family living.
 E-28 FCA. Farm Credit publications on agricultural financing.
 E-29 FCA. About that farm you're going to buy.

Farm Credit Administration Leaflets:

- L-1 FCA. Cincinnati cooperative terminal livestock marketing.
- L-2 FCA. Up-to-date grain marketing in the Pacific Northwest.
- L-3 FCA. Volume as a key to successful cooperative gins.
- L-4 FCA. Cooperative possibilities in cottonseed oil mills.
- L-5 FCA. Cooperative technique in a west coast dairy regional.
- L-6 FCA. How cooperative auctions fit the poultrymen's need.
- L-7 FCA. Hoosier progress in farm supply purchasing.
- L-8 FCA. Cooperative possibilities in improving apple sales.
- L-9 FCA. How farmers' cooperatives use terminal fruit auctions.

Farm Credit Administration Popular Circulars:

- 1 FCAPC. Federal land bank and land bank commissioner loans.
- 3 FCAPC. Loans by production credit associations.
- 5 FCAPC. Agricultural financing through the Farm Credit Administration.
- 6 FCAPC. Loans to farmers' cooperatives.
- 7 FCAPC. The Federal intermediate credit banks.
- 13 FCAPC. When we appraise your farm.
- 14 FCAPC. Selecting and financing a farm.
- 15 FCAPC. ABC's of credit for the farm family.
- 16 FCAPC. Using credit instruments.
- 17 FCAPC. The farmers' cooperative yardstick.
- 18 FCAPC. The credit road to farm ownership.
- 21 FCAPC. Short term credit—A good farm tool.
- 24 FCAPC. Rules and regulations of the Farm Credit Administration, the Federal Farm Mortgage Corporation, Federal land banks, and production credit corporations.
- 30 FCAPC. Mortgage loans on part-time or full-time farms where dependable outside income is available.

Unnumbered:

- The 6th annual report of the Farm Credit Administration, 1938. 25c. For sale only.
- The 7th annual report of the Farm Credit Administration, 1939. 25c. For sale only.
- The 8th annual report of the Farm Credit Administration, 1940. 30c. For sale only.
- Fighting men need good leather. How you can help.
- The 9th annual report of the Farm Credit Administration, 1941. 30c. For sale only.
- The 10th annual report of the Farm Credit Administration, 1942. 20c. For sale only.
- Interim report of the Farm Credit Administration.

FOREST SERVICE

Apply direct to the Forest Service, U. S. Department of Agriculture, Washington 25, D. C., for the following:

Publications are free in limited amounts unless priced. Do not send remittances to the U. S. Department of Agriculture. See page 3.

Maps:

The following maps will be sent only to teachers and other adults engaged in some form of forest work:

Forest regions of the United States, listing the principal trees of each region. 18 by 24 inches. Colored. National forests. 11½ by 17 inches. Colored.

Photographic Material:

The Forest Service has a collection of over 50,000 pictures of various sizes, showing characteristic growth and types of forests in the United States, various phases of forest work, forest industries, administration and use of the national forests, and related subjects. Prints of these photographs, as well as enlargements either in sepia or in black and white, may be purchased. A price list of photographic material will be sent upon request to the Forest Service, U. S. Department of Agriculture, Washington 25, D. C.

Unnumbered:

National Forest Areas.

LIBRARY
MICROFILMS AND PHOTOPRINTS

Microfilm and photoprint copies of any Department publication may be bought from the U. S. Department of Agriculture Library, Washington 25, D. C. All charges, except for Federal agencies, are payable in advance. Payment should be made by check or money order made payable to the "Treasurer of the United States." Currency is sent at the sender's risk.

Microfilms:

Periodical articles of any length. 50c each.
Bulletins or separate publications. 50c for each 50 pages or fractions thereof.

Photoprints:

Minimum charge, 50c per item. Each page over five pages, 10c additional.

OFFICE OF INFORMATION

MOTION PICTURES

The Office of Information produces and distributes motion pictures on subjects with which the Department is concerned. These pictures are designed to aid the Department in its wide activities, including the Food for Freedom program. They cover subjects such as livestock, crops, conservation (forests, wildlife, soil, and water), flood control, marketing, and control of plant and animal diseases. They are both sound and silent and are released in 16- and 35-millimeter widths. They are lent to responsible agencies and persons or may be purchased outright. A listing of the films, with short descriptions and details regarding their loan and purchase, is available from the Office of Information, United States Department of Agriculture, Washington 25, D. C.

PHOTOGRAPHS

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OFFICE OF PLANT AND OPERATIONS

Apply direct to the Photographic and Duplicating Services Division, Office of Plant and Operations, U. S. Department of Agriculture, Washington 25, D. C., for the following:

Photographs of drawings of the more important forage-plant seeds and incidental seeds commonly found with them, 6½ by 8½ inches. Set of 15, \$3.00. For sale only. Draft or money order must be made payable to the "Treasurer of the United States" and forwarded with order.

RURAL ELECTRIFICATION ADMINISTRATION

The following publications concerning electricity and the farm may be obtained free from the Information Division, Rural Electrification Administration, U. S. Department of Agriculture, St. Louis, Mo., unless otherwise specified.

These publications are designed to fill specific needs in a general program of rural electrification and are grouped in this list according to use. Informational literature introduces the reader to the Rural Electrification Administration, its purposes and methods. Educational literature is helpful to the Rural Electrification Administration cooperative when it seeks to encourage uses for electricity on the farm.

INFORMATIONAL LITERATURE

A. Educational:

- Annual statistical report year ending Dec. 30, 1943—
Single copy distribution.
- A new rural America.
- America is conserving power.
- Can you afford to operate an unelectrified farm?
- Check your war job.
- Cold weather is no match for your refrigerator.
- Dollars in your pocket.
- Electric dehydration.
- Electricity for the farm through REA.
- Get the best from the start (Wiring).

Educational Literature—Continued.

Get this better satisfaction (Wiring).
Guide for members of electric cooperatives.
How to keep power on the job.
It's smart to play safe.
Our home is safe electrically.
The food we raise—where does it go?
Water—when and where your garden needs it.
Who owns your coop?
Wiring check list.

B. Building Your Own Electric Equipment:

Building electrical equipment (Vocational bulletin).
Make your own electrical equipment.
Build an electric hay drier.
Chick brooder (homemade electric).
Egg cooler.
Electric dehydration (build your own dehydrator).
Make this motor table.
Motor-toter.
Pig brooder (homemade electric).
Small portable motor.

C. Care and Use of Electric Equipment:

All your repair jobs done?
You can make these electrical repairs.
Care and use of your hot plate.
Care and use of your iron.
Care and use of your range.
Care and use of your small appliances.
Care and use of your vacuum cleaner.
Care of your electric motor.
Care of your electric water system.

Report of the Administrator of the Rural Electrification Administration 1941, 1943. 10c. For sale only.

Describes administrative methods, progress made, and includes statements and statistics on rural electrification in the various States.

General Contract for Rural Electrical Distribution System:

Construction contract form. (The construction contract form is prepared for bidders on rural electrical distribution systems financed by Rural Electrification Administration. It contains notice to bidders, contractor's proposal, construction contract, bidder's qualifications, contractor's bond, material and construction specifications, construction drawings and plans, and description of assembly units.) \$1.00. For sale only.

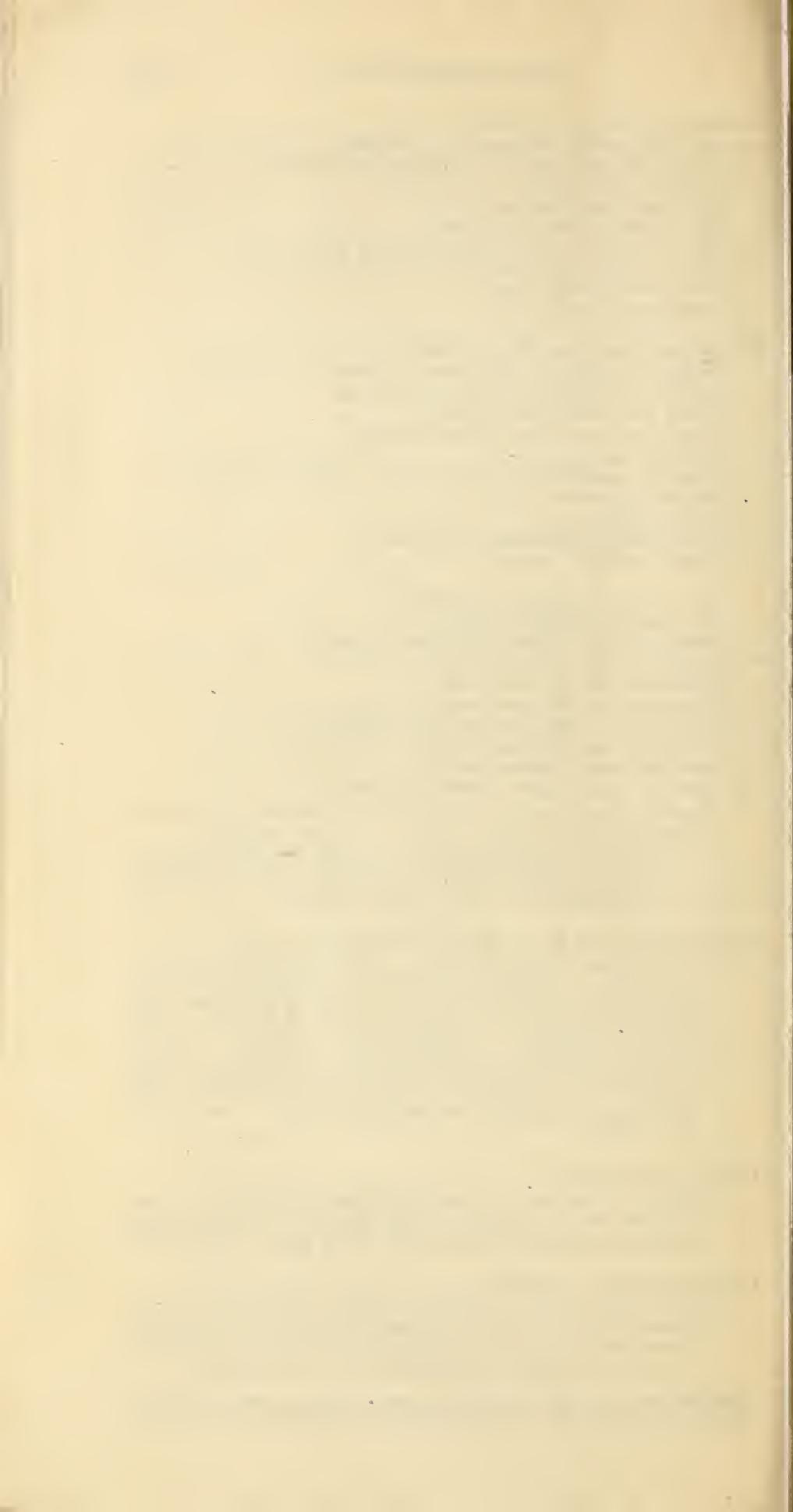
Photographic Material:

REA has a collection of several thousand pictures showing use of electricity on the farm and in the farm home, in rural industries, and in the rural community.

Posters and Exhibit Material:

From time to time REA has poster and exhibit material available on various phases of rural electrification. Since this material is changed frequently, no attempt is made to keep complete stocks of all posters.

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